

SECUROS *Surgical*

SECUROS

INSTRUMENTS

Surgical Instrument Guide



Where imagination becomes reality.

SECUROS Surgical Instrument Guide

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SECUROS CLEANERS Instrument Care & Repair

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Prolonging the life of your **SECUROS Surgical Instrument**

Implementing a preventative maintenance program for your surgical instruments has never been easier. SECUROS Surgical is proud to announce a **FREE Sharpening Repair Service on all SECUROS Surgical Instruments.**

Preventative maintenance of your surgical instruments will not only allow you to perform better surgery, but will also extend the life of your surgical instruments. SECUROS Surgical's instrument repair services include inspection, scissor sharpening, orthopedic instrument sharpening, alignment of jaws and tips, complete instrument refurbishing, lubrication, and re-taping. The FREE services apply to the entire SECUROS Surgical Instrument line.

The instruments will be serviced at SECUROS' National Repair Center by our German-trained instrument technicians. Our advanced repair center has the ability to fully service all of your instrument repair and servicing needs.

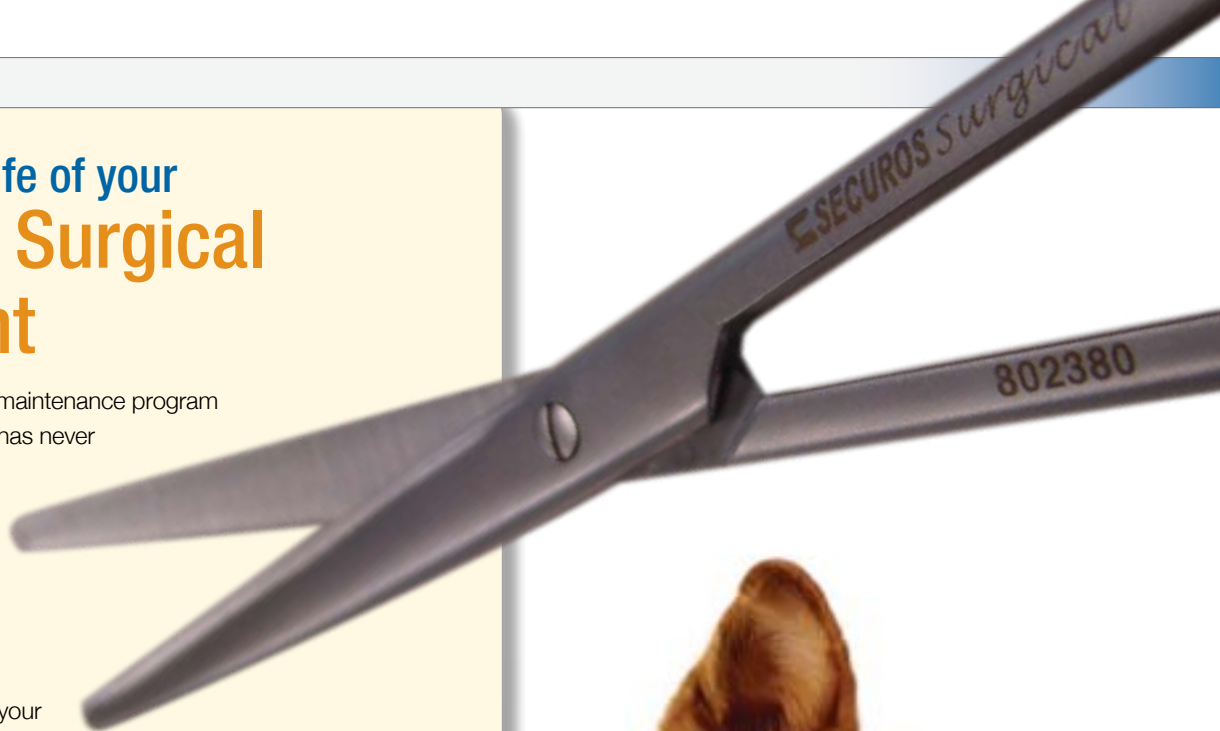
Please contact a SECUROS Surgical sales specialist at (877) 266-3349 to find out more about this exciting new service.



Warranty Information

SECUROS guarantees that any surgical instrument will be free of defects in materials and workmanship, when used under normal conditions for its intended surgical purpose. In the event that an instrument is defective, SECUROS will at its sole option either repair or replace the instrument.

Many of the instruments manufactured by SECUROS are hand-finished by skilled craftsmen. Consequently, there may be slight variations in the dimensions of an instrument from those given in the listed specifications.



Repair Information

- SECUROS repairs all brands, all makes and all models of surgical instruments.
- If sending in multiple instruments, label each instrument for the desired service.
- Any non-warranty instrument repairs are subject to the below prices. SECUROS Surgical Brand Instruments carry a lifetime warranty, which includes free repair services.
- Instruments damaged beyond normal wear and tear may have additional repair costs. A SECUROS Representative will call you to discuss these options if necessary.
- Upon receipt at SECUROS, expect 5-7 days turnaround time, unless otherwise specified.

Non-Warranty Repair Costs

Instrument Description	Price
Sharpening: Scissors, Size 3.5" to 5.5"	\$5.00
Sharpening: Scissors, Size 6" to 10"	\$6.00
Sharpening: Micro Scissors, All Sizes	\$9.00
Sharpening: Misc. Scissors	\$10.00
Sharpening: Dental Elevators	\$5.00
Sharpening: Clipper Blades	\$4.40
Realignment: Forceps	\$6.00
Realignment, Major: Scissors	\$5.00
Refinishing, Major: Surfacing	\$3.00
Repair: Needle Holder	\$5.00
Replacement Inserts: Needle Holder	\$25.00
Replacement Screw	\$5.00
ColorDot (color-coded permanent plugs)**	\$4.00

** Please designate color choice on tag: white/red/orange/yellow/green/blue/purple/brown/black/pink/light blue



Instrument Shipping Requirements

1. Clean and sterilize all instruments prior to shipping. (OSHA regulations require all instruments to be shipped in sterilized pouches.)
2. Wrap any sharp instruments with extra padding to prevent damage in shipping.
3. Individually wrap all clipper blades to ensure they don't break during shipping.
4. Include a copy of this paper work with the packed instruments.
5. Request a Return Authorization number from SECUROS (877-266-3349) prior to sending in.

The instruments will be returned to you within 5-7 business days.



Troubleshooting

A variety of stains or spotting might appear on your instruments after the cleaning and sterilization processes are completed. Most likely, these are not rust, but rather an indication of improper cleaning or sterilizing procedures. The following chart can help you identify and prevent or remove many of stains that typically show up on instruments.

STAIN/SPOT COLOR	POSSIBLE CAUSES	SOLUTIONS
Brown/Orange	Bio-burden (tissue, blood, etc.) left on instrument	Use an eraser to rub off stain
	Detergent pH is too high (>8)	Choose a cleaning solution with a neutral pH
	Soap/detergent residue on drapes/towels used in wrapping	Review laundry protocol to improve soap-free rinse
Rust	Mixing instruments made of different metals in the same cleaning or sterilizing cycle	Separate instruments by metal type for cleaning and sterilization
	Tap water has high mineral content	Use distilled water and thoroughly dry instruments after rinsing
Black/Brown, with pitting	Cold soaking of instruments	Eliminate cold soaking and potential exposure to chemicals during that process
	Detergent pH is too low (<6)	Choose a cleaning solution with a neutral pH
Blue/Black	Mixing instruments made of different metals in the same cleaning or sterilizing cycle	Separate instruments by metal type for cleaning and sterilization
Blue/Gray	Improper cold sterilization	Check solution instructions and follow recommended temperature and soak times
	Chemical or mineral residue	Use distilled water and thoroughly dry instruments after rinsing
Spotting	Slow or improper drying of instruments	Review autoclave manufacturer's instructions
	Mineral residue	Use distilled water and thoroughly dry instruments after rinsing
Multi-Color	Excessive heat during sterilizing cycle*	Review autoclave instructions

*CAUTION: Instrument may be permanently compromised due to loss of tensile strength.

Brown/Orange Staining



Rust



Appearance

- Brown or orange stains

Causes

- Long interval between instrument use and processing, allowing bio-burden to dry
- Unsuitable instrument disinfectant (pH is too high)
- Contaminated towels/drapes

Treatment

- Use an eraser to rub off the stain, or use SECUROS Stain Remover (#003419)
- Targeted manual recleaning

Prevention

- Remove bio-burden from instruments immediately after use, process within 30 minutes after surgery
- Soak and clean instruments with Manual & Ultrasonic Instrument Cleaner
- Use a longer rinse cycle for towels/drapes to remove laundry soap residue

Appearance

- Brown spots or streaks
- Possible pitting under the discoloration

Causes

- Mixing different metals in the same cleaning or sterilizing cycle
- Using water with a high mineral content in the cleaning process

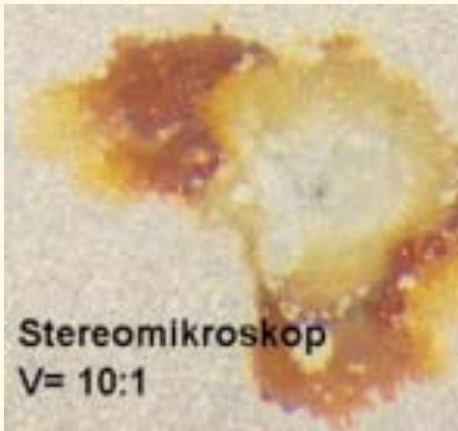
Treatment

- Use a brush and instrument stain remover with distilled water to rub away spots

Prevention

- Separate instruments by metal type
- Use distilled water throughout the cleaning/sterilizing process

Pitting With Discoloration



Appearance

- Pinprick-like holes in stainless steel, frequently surrounded by microscopic sparkling, reddish brown or multi-color corrosion spots
- Minor-quality instrument steels might contain material-specific cavities or foreign-matter inclusions—these may resemble pitting, but they are not caused by the cleaning process

Causes

- Exposure to halide ions, especially chlorides that break through the passive layer of instrument steel
- Exposure to liquids with a high chloride content (i.e. bleach or high chloride levels in the final rinse water)
- Exposure to saline solutions
- Contact corrosion might occur when different metals are mixed

Treatment

- SECUROS can clean the instrument with an acid-based cleaner
- SECUROS might be able to treat corrosion holes mechanically

Prevention

- Use distilled water throughout the cleaning/sterilizing process
- Minimize instrument exposure to other liquids containing chlorides
- Separate instruments by metal type

Spotting



Appearance

- Milky white to gray stains
- The stains may extend across a large surface area or be irregular, sharply defined spots

Cause

- Using water with a high lime or mineral content in the cleaning process

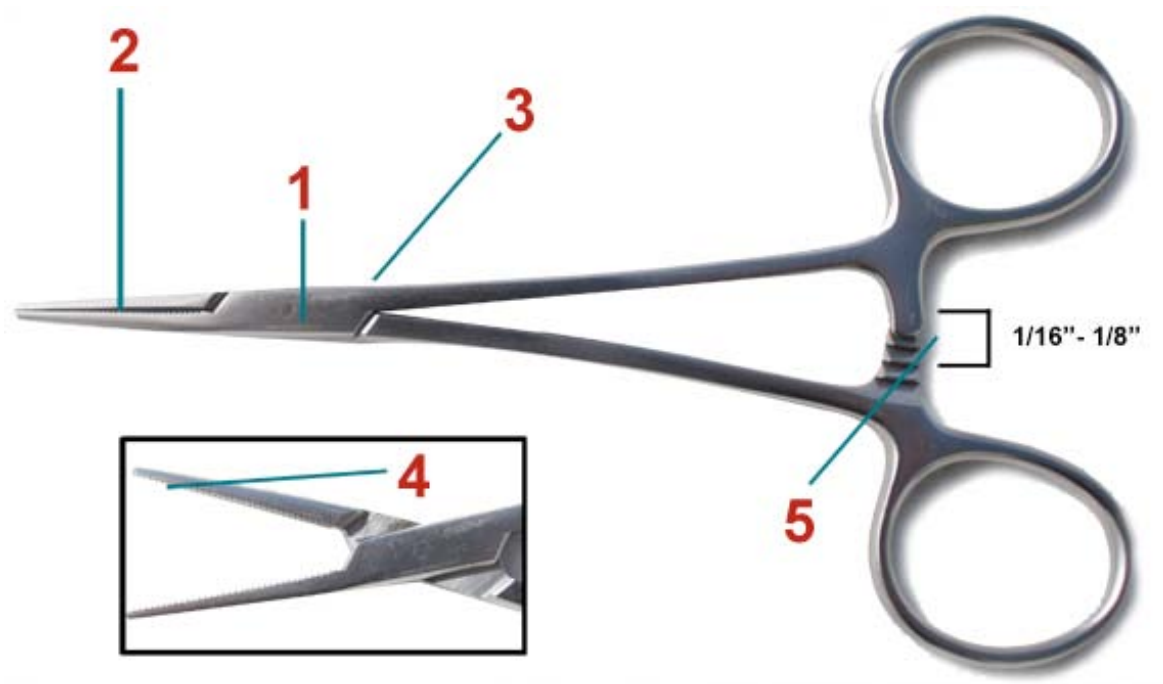
Treatment

- Wipe off with a soft cloth
- SECUROS can clean the instruments with an acid-based cleaner

Prevention

- Use distilled water for the final rinse, manual cleaning, and ultrasonic cleaning
- Review autoclave manufacturer's instructions

Detailed Instrument Inspection



Forceps

1) Cracked Box Lock

- Inspect box lock closely for cracks. Cracks reduce the integrity of the instrument.
- Visible cracks cannot be repaired.

2) Jaw Alignment

- Standard or hemostat forceps: Securely close the instrument and inspect the jaw alignment.
- Forceps with teeth: open and close the instrument to feel if the teeth are engaging each other.
- Misaligned jaws can be repaired.

3) Loose Box Lock

- Open the instrument and hold one ring handle in each hand. Gently move one handle up and down; there should be minor movement in the box lock, but it should not be loose.
- A loose box lock can be repaired.

4) Worn Serrations or Broken Teeth

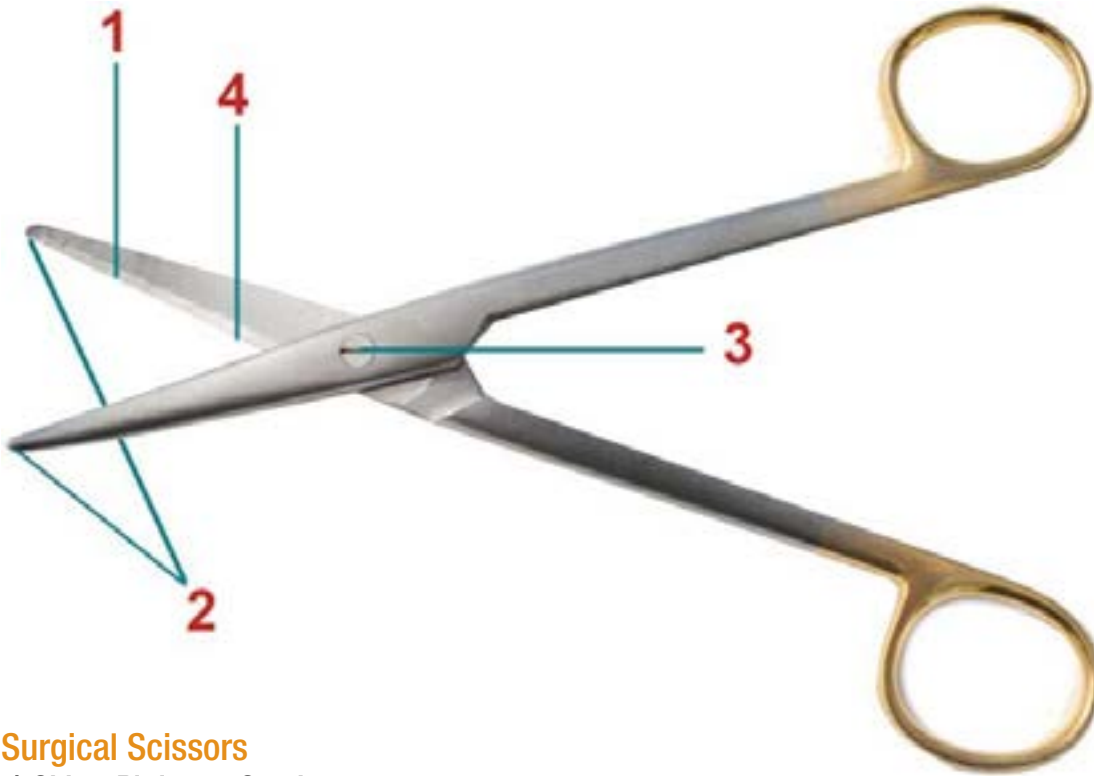
- Inspect the jaws for worn serrations or broken teeth.
- Forceps with worn serrations or broken teeth can be repaired.

5) Ratchet Fit

- The instrument should stay tightly locked and properly aligned in the first ratchet position. Closed jaws should have 1/16" to 1/8" of space between the ratchets to maintain proper tension.
- Misaligned ratchets can be repaired.

For best results, send damaged and malfunctioning instruments to SECUROS as soon as possible.
Please call or fax Instrument Work Order Form for return authorization.

Detailed Instrument Inspection



Surgical Scissors

1) Chips, Pitting or Cracks

- Inspect the scissors' cutting edge for any nicks or "holes" from pitting.
- Scissors with these defects can be repaired.
- Scissors with vertical cracks through the cutting edge cannot be repaired.

2) Bent or Broken Tips

- Open and close the instrument. Bent tips will rub noticeably at the tip.
- Bent tips can be repaired.
- Broken tips cannot be repaired.

3) Loose or Worn Screw

- A loose or worn screw will make the scissors feel "sloppy" and the cutting edges will not pass together properly.
- A small crack could develop close to the screw.
- A cracked, loose, or worn screw can be repaired.

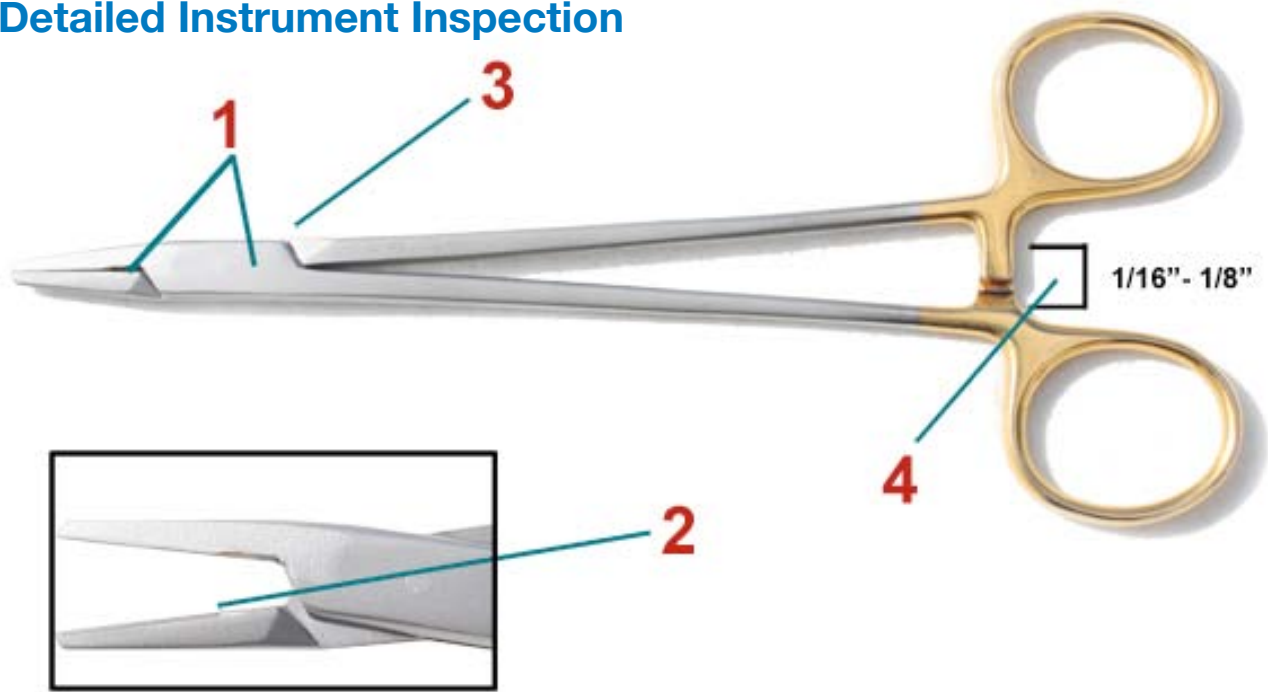
4) Dull Cutting Edge

- Cut one layer of gauze or latex material with the front 1/3 of the blades.
- Scissors should be sharpened if they require force to cut the material or the tips get caught.

For best results, send damaged and malfunctioning instruments to SECUROS as soon as possible.

Please call or fax Instrument Work Order Form for return authorization.

Detailed Instrument Inspection



Tungsten Carbide Needle Holder

1) Cracked Box Lock

- Inspect box lock closely for cracks. Cracks reduce the integrity of the instrument.
- Visible cracks cannot be repaired.

2) Cracked Jaws/Cracked or Worn Inserts

- A crack in the jaw appears with a distinct bend with a clear break behind the insert.
- Cracked jaws can be repaired.
- Close the instrument and hold it up to a light. If light is passing between the insert, the instrument needs to be repaired.
- A cracked or worn insert can be replaced.



Signs of wear of the tungsten carbide insert necessitating repair.

3) Loose Box Lock

- Open the instrument and hold one ring handle in each hand. Gently move one handle up and down; there should be minor movement in the box lock, but it should not be loose.
- A loose box lock can be repaired.

4) Ratchet Fit

- The instrument should stay tightly locked and properly aligned in the first ratchet position. Closed jaws should have $1/16''$ to $1/8''$ of space between the ratchets to maintain proper tension.
- Misaligned ratchets can be repaired.

For best results, send damaged and malfunctioning instruments to SECUIROS as soon as possible. Please call or fax Instrument Work Order Form for return authorization.

SECUROS ColorDot® Instrument Marking System

The SECUROS ColorDot® surgical instrument color marking system is a breakthrough technology that provides permanent and safe marking of surgical instrument packs. The ColorDot® marking plugs are manufactured from a composite ceramic material and are available exclusively through SECUROS Surgical. The SECUROS ColorDot® Instrument Marking System replaces the need for instrument tape and traditional instrument color coding or dipping. While instrument tape fades or comes off after time, and traditional color coding systems crack and breakdown after repeated autoclaving, the SECUROS ColorDot® Instrument Marking System is guaranteed to last for the entire life of the instrument.

The ColorDot® color dots are implanted using a specialty press and have proven to be a great method for identifying surgical packs. The SECUROS ColorDot® Instrument Marking System is available in 11 colors providing customers with many choices and color combinations to mark their instrument packs.

The colors available include:

- White • Red • Orange • Yellow
- Green • Blue • Purple • Brown
- Black • Pink • Light Blue

The SECUROS ColorDot® Instrument Marking System can be placed in all makes and models of instruments. To utilize the service, send your packs to SECUROS Surgical's National Repair Center located at:

SECUROS REPAIR CENTER

443 Main St.

P.O. Box 950

Fiskdale, MA 01518

Please use the Instrument Work Order Form and request return authorization prior to sending.

When purchasing new packs or instruments directly from SECUROS or MWI, be sure to request the SECUROS ColorDot® Instrument Marking System be implemented on all your new instruments.



Introduction to SECUROS Surgical Instrument Care

Clean, rinse and sterilize every new instrument before its first use. Immediately after use, rinse and manually clean instruments using SECUROS Manual & Ultrasonic Instrument Cleaner (#003425). Whenever possible, use distilled water to prevent biological materials from drying on the surface.

Manual Cleaning

- Always use Manual & Ultrasonic Instrument Cleaner. This solution has a neutral pH to prevent staining on instruments.
- Use distilled water for final rinsing.

Lubrication

- Lubricate all instruments with a box lock.
- Spray lubricant onto clean surgical instruments.
- Sterilize without rinsing, as there is no need to wipe off excess lubricant.

Ultrasonic Cleaning

- Clean instruments in the open position.
- Avoid overloading the chamber and piling instruments on top of one another.

Sterilizing

- Ensure that instruments have been properly cleaned before sterilization.
- Lubricate moving parts of each instrument with Instrument Spray Lubricant.
- Autoclave instruments in the open position.

Inspection

- Visually inspect all surfaces of the instruments for stains, cracks, or chips.
- Test scissors using a latex scissor test material for proper cutting action.
- Needle holders and hemostats should engage properly and meet correctly at the tips.

Storage

- Store instruments in a climate-controlled area.
- Do not store instruments near chemicals that may emit a vapor.
- Ensure that all instruments are completely dry before storing them.

Lubricants



ITEM #	PRODUCT
003418	Instrument Spray Lubricant 8 oz.
003423	Instrument Lubricant Milk 1 Gallon

Stain Removers



ITEM #	PRODUCT
003419	Instrument Stain Removing Powder 8 oz.

**Cleaner samples are available.
Please call a sales representative for information.**

Cleaners

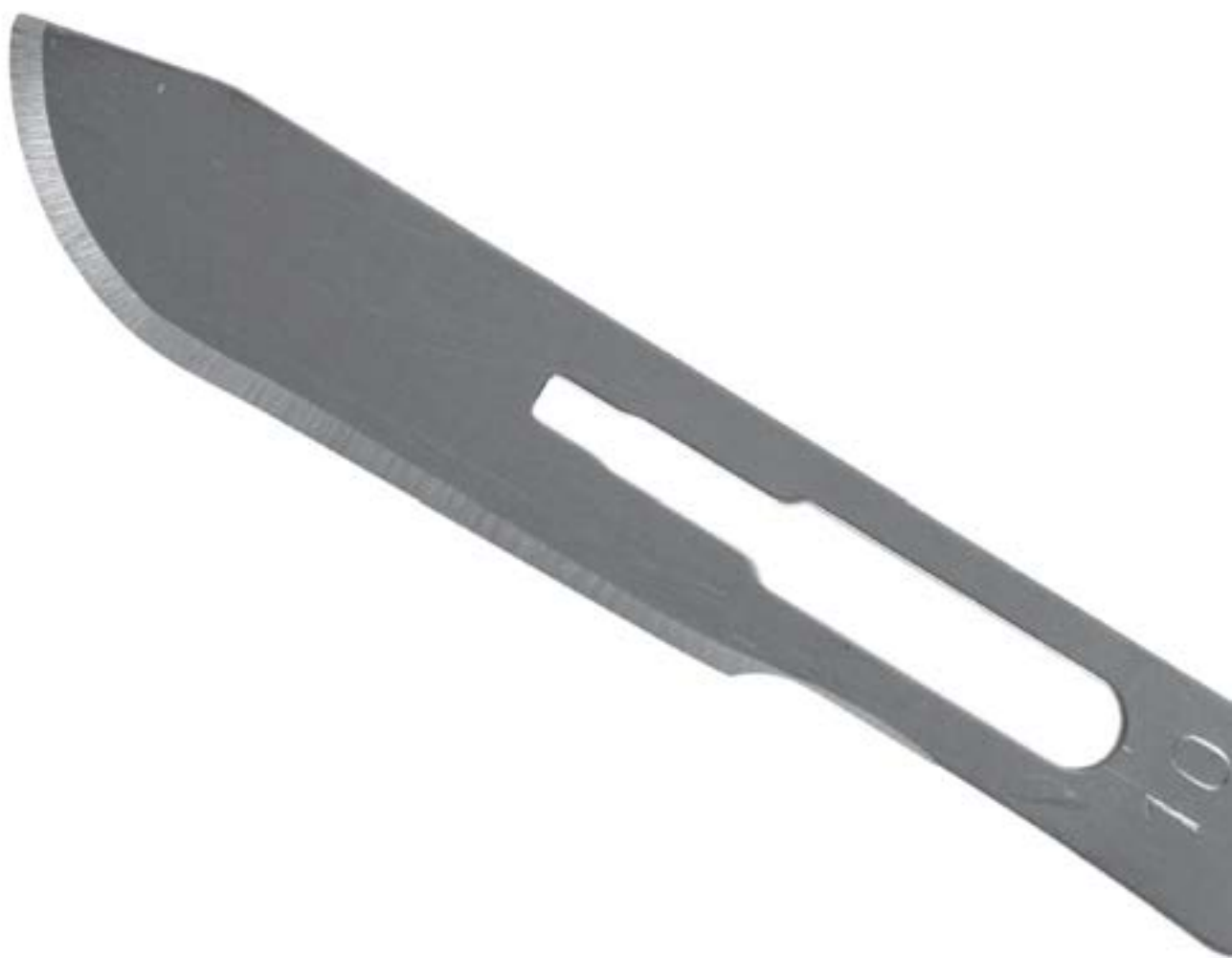
	ITEM #	PRODUCT	UNIT	FORM
	003420	Enzymatic Foam Instrument Cleaner	32 oz.	Liquid
	003421	Multi-Enzyme Cleaner Packets	32 1/2 oz. Packets	Liquid
	003424	Multi-Enzyme Cleaner	1 Gallon	Liquid
	003422	Instrument Cleaner and Lubricant	1 Gallon	Liquid
	003417	Manual and Ultrasonic Cleaner	8 oz.	Liquid
	003425	Manual and Ultrasonic Cleaner	1 Gallon	Liquid
	003426	Autoclave Foam Cleaner	22 oz.	Liquid

SECUROS

Scalpel Handles & Blades

Scalpel Handles 15

Sterile Surgical Blades 16-17



Scalpel Handles



MICROSURGICAL (BEAVER®)



NO. 3



NO. 3 GRADUATED



NO. 3 LONG



NO. 4



NO. 4 LONG



NO. 7

ITEM #	PRODUCT
840004	Microsurgical (Beaver®) Blade Handle 4" Length
840005	Microsurgical (Beaver®) Blade Handle 5" Length
830026	Scalpel Handle No. 3
816600	Scalpel Handle No. 3 Graduated
840000	Scalpel Handle No. 3 Long
840001	Scalpel Handle No. 4
840002	Scalpel Handle No. 4 Long
840003	Scalpel Handle No. 7

Stainless Steel Sterile Surgical Blades

	ITEM #	PRODUCT
	003299	Sterile Scalpel Blade No. 10 100/Box
	003301	Sterile Scalpel Blade No. 11 100/Box
	003302	Sterile Scalpel Blade No. 12 100/Box
	003303	Sterile Scalpel Blade No. 15 100/Box
	003304	Sterile Scalpel Blade No. 20 100/Box

Stainless Steel Sterile Surgical Blades

	ITEM #	PRODUCT
	003305	Sterile Scalpel Blade No. 21 100/Box
	003307	Sterile Scalpel Blade No. 22 100/Box
	840730	Sterile Scalpel Blade Beaver® Style 61 12/Box
	840731	Sterile Scalpel Blade Beaver® Style 62 12/Box
	001311	Sterile Scalpel Blade Beaver® Style 64 12/Box
	840732	Sterile Scalpel Blade Beaver® Style 67 12/Box
	001312	Sterile Scalpel Blade Beaver® Style 67MIS 12/Box

STANDARD OPERATING

SECUROS Scissors

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SECUROS Scissors

Standard Model Scissors

SECUROS Surgical's Standard Model scissors are hand-crafted in Germany using the finest quality German steel. SECUROS' Standard Model scissors are sharpened using the latest manufacturing techniques, have a rich satin finish, and provide unsurpassed value and quality. SECUROS' Standard Model scissors are backed by the best warranty in the industry, which includes FREE sharpening throughout the life of the scissor.

Tungsten Carbide-Gold Handled Scissors

SECUROS Surgical's Tungsten Carbide Scissors are hand-crafted in Germany using the finest quality German steel. SECUROS' Tungsten Carbide Scissors are identified with gold rings and have welded Tungsten Carbide inserts within the blades. The Tungsten Carbide inserts provide an ultimate hardness and provide improved sharpness over standard model scissors. SECUROS' Tungsten Carbide Scissors are sharpened using the latest manufacturing techniques, have a rich satin finish and provide unsurpassed quality. SECUROS' Tungsten Carbide Scissors are backed by the best warranty in the industry, which includes FREE sharpening throughout the life of the scissor.

SuperCut-Black Handled Scissors

SECUROS Surgical's SuperCut Scissors are hand-crafted in Germany using the finest quality German steel. SECUROS' SuperCut Scissors are identified by a shiny, mirror finish and black chromed handles. SECUROS Surgical's SuperCut Scissors are the sharpest scissors offered, as they have one razor sharp blade and a second serrated blade that provides for traction when cutting. SECUROS' SuperCut Scissors are backed by the best warranty in the industry, which includes FREE sharpening throughout the life of the scissor.



Scissors: Operating



STRAIGHT BLUNT-BLUNT (TC)



STRAIGHT SHARP-BLUNT (TC)



STRAIGHT SHARP-SHARP (TC)



STRAIGHT BLUNT-BLUNT



STRAIGHT SHARP-BLUNT



STRAIGHT SHARP-SHARP

STANDARD	TUNGSTEN CARBIDE	SUPERCUT	PRODUCT	FEATURE	SIZE
800340			Operating Scissors	Straight Blunt-Blunt	4.5" (11.5cm)
800550			Operating Scissors	Straight Sharp-Blunt	4.5" (11.5cm)
840618			Operating Scissors	Straight Sharp-Sharp	4.5" (11.5cm)
840617			Operating Scissors	Curved Blunt-Blunt	4.5" (11.5cm)
840619			Operating Scissors	Curved Sharp-Blunt	4.5" (11.5cm)
800870			Operating Scissors	Curved Sharp-Sharp	4.5" (11.5cm)
840622			Operating Scissors	Straight Blunt-Blunt	5" (12.7cm)
840620			Operating Scissors	Straight Sharp-Blunt	5" (12.7cm)
840621			Operating Scissors	Straight Sharp-Sharp	5" (12.7cm)
840623	840656		Operating Scissors	Straight Blunt-Blunt	5.5" (14cm)
830025	840654		Opearting Scissors	Straight Sharp-Blunt	5.5" (14cm)

Scissors: Operating



CURVED BLUNT-BLUNT



CURVED SHARP-BLUNT



CURVED SHARP-SHARP

STANDARD	TUNGSTEN CARBIDE	SUPERCUT	PRODUCT	FEATURE	SIZE
800810	840655		Operating Scissors	Straight Sharp-Sharp	5.5" (14cm)
840624			Operating Scissors	Curved Blunt-Blunt	5.5" (14cm)
840625			Operating Scissors	Curved Sharp-Blunt	5.5" (14cm)
840006			Operating Scissors	Curved Sharp-Sharp	5.5" (14cm)
840626			Operating Scissors	Straight Blunt-Blunt	6.5" (16.5cm)
840627			Operating Scissors	Straight Sharp-Blunt	6.5" (16.5cm)
840628			Operating Scissors	Straight Sharp-Sharp	6.5" (16.5cm)
840629			Operating Scissors	Curved Blunt-Blunt	6.5" (16.5cm)
840630			Operating Scissors	Curved Sharp-Blunt	6.5" (16.5cm)
840007			Operating Scissors	Curved Sharp-Sharp	6.5" (16.5cm)

Scissors: Mayo Dissecting



5.5" STRAIGHT (TC)



5.5" CURVED (TC)



6.75" STRAIGHT (TC)



6.75" STRAIGHT (SUPERCUT)



5.5" STRAIGHT



5.5" CURVED



6.75" STRAIGHT

Scissors: Mayo Dissecting



6.75\"/>



6.75\"/>



6.75\"/>



9\"/>



9\"/>

STANDARD	TUNGSTEN CARBIDE	SUPERCUT	PRODUCT	FEATURE	SIZE
801190	801340		Mayo Dissecting Scissors	Straight	5.5" (14cm)
801260	801360		Mayo Dissecting Scissors	Curved	5.5" (14cm)
801210	830024	840029	Mayo Dissecting Scissors	Straight	6.75" (17.1cm)
801280	801370	840030	Mayo Dissecting Scissors	Curved	6.75" (17.1cm)
801240			Mayo Dissecting Scissors	Straight	9" (22.8cm)
801310			Mayo Dissecting Scissors	Curved	9" (22.8cm)

Scissors: Metzenbaum



LAHEY: STRAIGHT (TC)



LAHEY: STRAIGHT



LAHEY: CURVED (TC)



LAHEY: CURVED



NELSON: STRAIGHT (TC)



NELSON: STRAIGHT



NELSON: CURVED (TC)



NELSON: CURVED

Scissors: Metzenbaum



STANDARD	TUNGSTEN CARBIDE	SUPERCUT	PRODUCT	FEATURE	SIZE
		840024	Metzenbaum Scissors	Straight	7" (17.8cm)
		830023	Metzenbaum Scissors	Curved	7" (17.8cm)
		840025	Metzenbaum Scissors	Straight	5.5" (14cm)
		840026	Metzenbaum Scissors	Curved	5.5" (14cm)
		840027	Baby Metzenbaum Scissors	Straight	4.5" (11.5cm)
		840028	Baby Metzenbaum Scissors	Curved	4.5" (11.5cm)
840631			Metzenbaum Scissors (Lahey)	Pedifine Straight	4.5" (11.5cm)
840632			Metzenbaum Scissors (Lahey)	Pedifine Curved	4.5" (11.5cm)
802381			Metzenbaum Scissors (Lahey)	Straight	5.75" (14.6cm)
802382			Metzenbaum Scissors (Lahey)	Curved	5.75" (14.6cm)
	840647		Metzenbaum Scissors (Lahey)	Straight Delicate	5.75" (14.6cm)
	840648		Metzenbaum Scissors (Lahey)	Straight Standard	5.75" (14.6cm)
	840022		Metzenbaum Scissors (Lahey)	Straight Sharp-Sharp	5.75" (14.6cm)
	840649		Metzenbaum Scissors (Lahey)	Curved Delicate	5.75" (14.6cm)
	802380		Metzenbaum Scissors (Lahey)	Curved Standard	5.75" (14.6cm)
	840023		Metzenbaum Scissors (Lahey)	Curved Sharp-Sharp	5.75" (14.6cm)
840734	840687		Metzenbaum Scissors (Nelson)	Straight	7" (17.8cm)
	840657		Metzenbaum Scissors (Nelson)	Straight Delicate	7" (17.8cm)
	840703		Metzenbaum Scissors (Nelson)	Curved Delicate	7" (17.8cm)
802230	830022		Metzenbaum Scissors (Nelson)	Curved	7" (17.8cm)
840634			Metzenbaum Scissors (Nelson)	Straight	8" (20.3cm)
840635			Metzenbaum Scissors (Nelson)	Curved	8" (20.3cm)
840636	840650		Metzenbaum Scissors (Nelson)	Straight	9" (22.9cm)
840637	840651		Metzenbaum Scissors (Nelson)	Curved	9" (22.9cm)
840638			Metzenbaum Scissors (Nelson)	Straight	10" (25.4cm)
840639			Metzenbaum Scissors (Nelson)	Curved	10" (25.4cm)
840640			Metzenbaum Scissors (Nelson)	Straight	11" (27.9cm)
840641			Metzenbaum Scissors (Nelson)	Curved	11" (27.9cm)
	840652		Metzenbaum Scissors (Nelson)	Straight Delicate	9" (22.9cm)

Scissors: Bandage

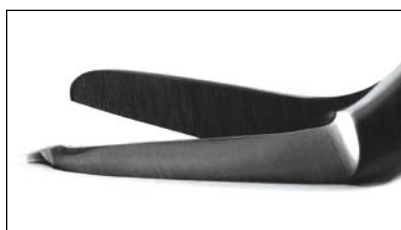
LISTER



HI-LEVEL



KNOWLES: ANGLED



FELINE



KNOWLES: STRAIGHT

ITEM #	PRODUCT	FEATURE	SIZE
802930	Lister Bandage Scissors		3.5" (9cm)
840642	Lister Bandage Scissors		4.5" (11.5cm)
840643	Lister Bandage Scissors		5.5" (14cm)
840644	Lister Bandage Scissors		7.25" (18.4cm)
803010	Lister Bandage Scissors		8" (20.3cm)
840614	Hi-Level Bandage Scissors	Serrated	5.5" (14cm)
814420	Knowles Bandage Scissors	Straight	5.5" (14cm)
840008	Knowles Bandage Scissors	Angled	5.5" (14cm)
840020	Feline Bandage Scissors		7" (18cm)

Scissors: Utility



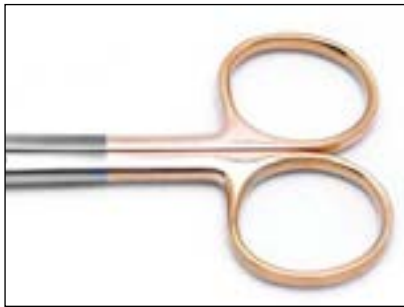
ECONOMY UTILITY 5.5"



ECONOMY UTILITY 7.5"

ITEM #	PRODUCT	FEATURE	SIZE
840009	Economy Utility Scissors	Serrated	5.5" (14cm)
803100	Economy Utility Scissors	Serrated	7.5" (19.1cm)

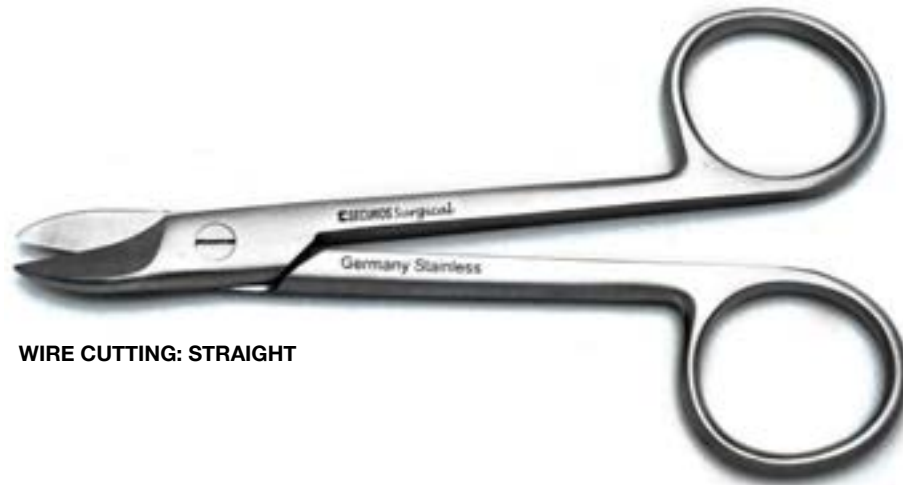
Scissors: Wire Cutting



ROGER WIRE CUTTING: ANGULAR (TC)



ROGER WIRE CUTTING: ANGULAR



WIRE CUTTING: STRAIGHT

STANDARD	TUNGSTEN CARBIDE	PRODUCT	FEATURE	SIZE
814380	840021	Roger Wire Cutting Scissors	Serrated Angular	4.75" (12.1cm)
840011		Wire Cutting Scissors	Straight	4.25" (10.8cm)

Scissors: Stitch



SPENCER: DELICATE



SPENCER



LITTAUER



NORTHBENT: DELICATE, CURVED SIDEWAYS



NORTHBENT: CURVED SIDEWAYS

ITEM #	PRODUCT	FEATURE	SIZE
816450	Spencer Stitch Scissors	Delicate	3.5" (8.9cm)
816470	Spencer Stitch Scissors		4.75" (12.1cm)
816320	Littauer Stitch Scissors		5.5" (14cm)
840013	Northbent Stitch Scissors	Delicate Curved Sideways	3.5" (8.9cm)
840014	Northbent Stitch Scissors	Curved Sideways	4.75" (12.1cm)

Scissors: Iris



TUNGSTEN CARBIDE



SUPERCUT



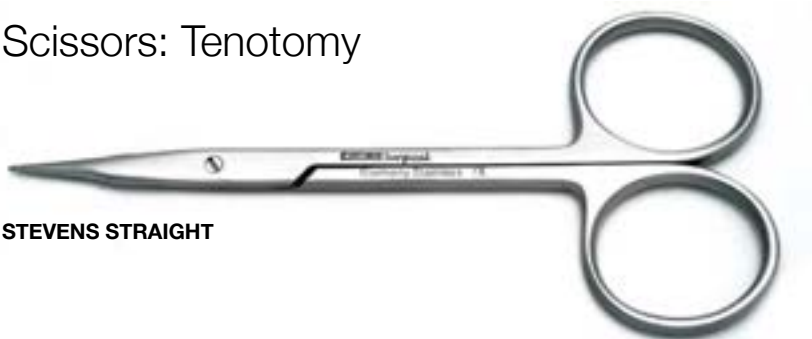
IRIS STRAIGHT



IRIS CURVED

STANDARD	TUNGSTEN CARBIDE	SUPERCUT	PRODUCT	FEATURE	SIZE
801710	840645	840032	Iris Scissors	Straight	4.5" (11.5cm)
801720	840646	840031	Iris Scissors	Curved	4.5" (11.5cm)
801810			Iris Scissors	Straight	3.5" (8.9cm)
840015			Iris Scissors	Curved	3.5" (8.9cm)

Scissors: Tenotomy



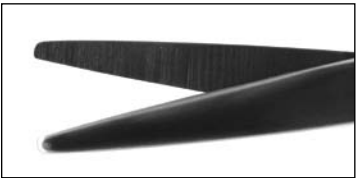
STEVENS STRAIGHT



STEVENS CURVED

ITEM #	PRODUCT	FEATURE	SIZE
802790	Stevens Tenotomy Scissors	Straight	4.25" (10.8cm)
840016	Stevens Tenotomy Scissors	Curved	4.25" (10.8cm)

Scissors: Strabismus



STRAIGHT

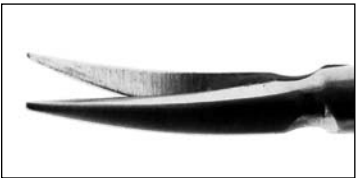


CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840017	Strabismus Scissors	Straight	4.5" (11.5cm)
840018	Strabismus Scissors	Curved	4.5" (11.5cm)

Scissors: Vannas



ITEM #	PRODUCT	FEATURE	SIZE
840019	Vannas Scissors	Angled on Flat	3" (7.5cm)



Scissors: Tungsten-Carbide Edge

ITEM #	PRODUCT	FEATURE	SIZE
840645	Iris Scissors	Straight Carbide Edge	4.5" (11.5cm)
840646	Iris Scissors	Curved Carbide Edge	4.5" (11.5cm)
840021	Roger Wire Cutting Scissors	Serrated Angular Carbide Edge	4.75" (12.1cm)
840647	Metzenbaum Scissors (Lahey)	Straight Delicate Carbide Edge	5.75" (14.6cm)
840648	Metzenbaum Scissors (Lahey)	Straight Standard Carbide Edge	5.75" (14.6cm)
840022	Metzenbaum Scissors (Lahey)	Straight Sharp-Sharp Carbide Edge	5.75" (14.6cm)
840649	Metzenbaum Scissors (Lahey)	Curved Delicate Carbide Edge	5.75" (14.6cm)
802380	Metzenbaum Scissors (Lahey)	Curved Standard Carbide Edge	5.75" (14.6cm)
840023	Metzenbaum Scissors (Lahey)	Curved Sharp-Sharp Carbide Edge	5.75" (14.6cm)
840687	Metzenbaum Scissors (Nelson)	Straight Standard Carbide Edge	7" (17.8cm)
840657	Metzenbaum Scissors (Nelson)	Straight Delicate Carbide Edge	7" (17.8cm)
830022	Metzenbaum Scissors (Nelson)	Curved Standard Carbide Edge	7" (17.8cm)
840703	Metzenbaum Scissors (Nelson)	Curved Delicate Carbide Edge	7" (17.8cm)
840650	Metzenbaum Scissors (Nelson)	Straight Standard Carbide Edge	9" (22.9cm)
840651	Metzenbaum Scissors (Nelson)	Curved Standard Carbide Edge	9" (22.9cm)
840652	Metzenbaum Scissors (Nelson)	Straight Delicate Carbide Edge	9" (22.9cm)
840653	Metzenbaum Scissors (Nelson)	Curved Delicate Carbide Edge	9" (22.9cm)
840654	Operating Scissors	Straight Sharp-Blunt Carbide Edge	5.5" (14cm)
840655	Operating Scissors	Straight Sharp-Sharp Carbide Edge	5.5" (14cm)
840656	Operating Scissors	Straight Blunt-Blunt Carbide Edge	5.5" (14cm)
801340	Mayo Dissecting Scissors	Straight Carbide Edge	5.5" (14cm)
801360	Mayo Dissecting Scissors	Curved Carbide Edge	5.5" (14cm)
830024	Mayo Dissecting Scissors	Straight Carbide Edge	6.75" (17.1cm)
801370	Mayo Dissecting Scissors	Curved Carbide Edge	6.75" (17.1cm)



Scissors: SuperCut

ITEM #	PRODUCT	FEATURE	SIZE
840027	SuperCut Baby Metzenbaum Scissors	Straight	4.5" (11.5cm)
840028	SuperCut Baby Metzenbaum Scissors	Curved	4.5" (11.5cm)
840025	SuperCut Metzenbaum Scissors	Straight	5.5" (14cm)
840026	SuperCut Metzenbaum Scissors	Curved	5.5" (14cm)
840024	SuperCut Metzenbaum Scissors	Straight	7" (17.8cm)
830023	SuperCut Metzenbaum Scissors	Curved	7" (17.8cm)
840029	SuperCut Mayo Dissecting Scissors	Straight	6.75" (17.1cm)
840030	SuperCut Mayo Dissecting Scissors	Curved	6.75" (17.1cm)
840032	SuperCut Iris Scissors	Straight	4.5" (11.5cm)
840031	SuperCut Iris Scissors	Curved	4.5" (11.5cm)

Thumb Dressing Forceps

Adson	33-34
Thumb Dressing	35
Russian	36
DeBakey Tissue	36
Splinter	36-37

Jeweler's Tweezers	37
Beasley Babcock	37
Potts-Smith	38
Bonney	39
Ferris Smith	39



Forceps: Adson Tissue



1X2 TEETH STANDARD



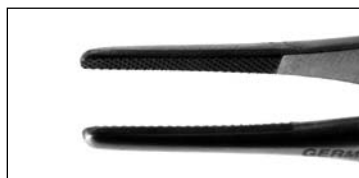
1X2 TEETH DELICATE



2X3 TEETH DELICATE



**1X2 TEETH DELICATE WITH
SUTURE PLATFORM**



**CROSS SERRATED ATRAUMATIC
CARBIDE GRIP**



**1X2 WITH CARBIDE SUTURE
PLATFORM**

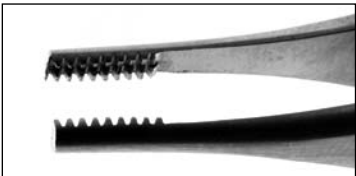


ITEM #	PRODUCT	FEATURE	SIZE
804910	Adson Tissue Forceps	1x2 Teeth Standard	4.75" (12.1cm)
840035	Adson Tissue Forceps	1x2 Teeth Delicate	4.75" (12.1cm)
840036	Adson Tissue Forceps	2x3 Teeth Delicate	4.75" (12.1cm)
840037	Adson Tissue Forceps	1x2 Teeth Delicate with Suture Platform	4.75" (12.1cm)
840038	Adson Tissue Forceps	Cross Serrated Atraumatic Carbide Grip	4.75" (12.1cm)
840039	Adson Tissue Forceps	1x2 with Carbide Suture Platform	4.75" (12.1cm)

Forceps: Adson-Brown



7X7 TEETH, SIDE GRASP

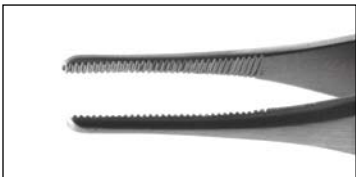


9X9 TEETH, SIDE GRASP

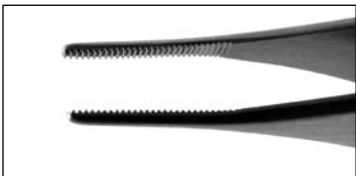


ITEM #	PRODUCT	FEATURE	SIZE
804930	Adson-Brown Forceps	7x7 Teeth, Side Grasp	4.75" (12.1cm)
840033	Adson-Brown Forceps	9x9 Teeth, Side Grasp	4.75" (12.1cm)

Forceps: Adson Dressing



STANDARD

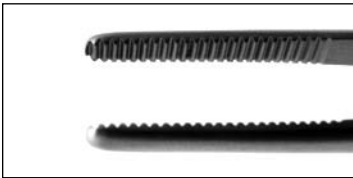


DELICATE



ITEM #	PRODUCT	FEATURE	SIZE
804850	Adson Dressing Forceps	Standard, Serrated Jaws	4.75" (12.1cm)
840034	Adson Dressing Forceps	Delicate, Serrated Jaws	4.75" (12.1cm)

Forceps: Thumb Dressing



SERRATED JAWS

ITEM #	PRODUCT	FEATURE	SIZE
840040	Thumb Dressing Forceps	Serrated Jaws	4.5" (11.5cm)
840041	Thumb Dressing Forceps	Serrated Jaws	5" (12.7cm)
840042	Thumb Dressing Forceps	Serrated Jaws	5.5" (14cm)
840043	Thumb Dressing Forceps	Serrated Jaws	6" (15.2cm)
840044	Thumb Dressing Forceps	Serrated Jaws	8" (20.3cm)
840045	Thumb Dressing Forceps	Serrated Jaws	10" (25.4cm)
840046	Thumb Dressing Forceps	Serrated Jaws	12" (30.5cm)

Forceps: Thumb Tissue



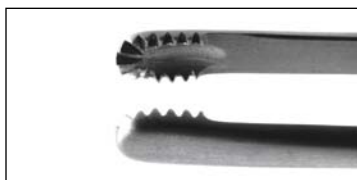
1X2 TEETH



2X3 TEETH

ITEM #	PRODUCT	FEATURE	SIZE
840047	Thumb Tissue Forceps	1x2 Teeth	4.5" (11.5cm)
840048	Thumb Tissue Forceps	1x2 Teeth	5" (12.7cm)
840049	Thumb Tissue Forceps	1x2 Teeth	5.5" (14cm)
840050	Thumb Tissue Forceps	1x2 Teeth	6" (15.2cm)
840051	Thumb Tissue Forceps	1x2 Teeth	8" (20.3cm)
840052	Thumb Tissue Forceps	1x2 Teeth	10" (25.4cm)
840053	Thumb Tissue Forceps	1x2 Teeth	12" (30.5cm)
840054	Thumb Tissue Forceps	2x3 Teeth	5" (12.7cm)
840055	Thumb Tissue Forceps	2x3 Teeth	5.5" (14cm)
840056	Thumb Tissue Forceps	2x3 Teeth	6" (15.2cm)
840057	Thumb Tissue Forceps	2x3 Teeth	8" (20.3cm)
840058	Thumb Tissue Forceps	3x4 Teeth	5" (12.7cm)
840059	Thumb Tissue Forceps	3x4 Teeth	5.5" (14cm)
840060	Thumb Tissue Forceps	3x4 Teeth	6" (15.2cm)

Forceps: Russian



ITEM #	PRODUCT	SIZE
840061	Russian Forceps	6" (15.2cm)
840062	Russian Forceps	8" (20.3cm)
840063	Russian Forceps	10" (25.4cm)

Forceps: DeBakey Tissue



ITEM #	PRODUCT	FEATURE	SIZE
840064	DeBakey Tissue Forceps	Atraumatic Jaws	1.5mm 6.25" (15.8cm)
840065	DeBakey Tissue Forceps	Atraumatic Jaws	2.0mm 6.25" (15.8cm)
840066	DeBakey Tissue Forceps	Atraumatic Jaws	3.5mm 6.25" (15.8cm)
840067	DeBakey Tissue Forceps	Atraumatic Jaws	1.5mm 7.75" (19.7cm)
840068	DeBakey Tissue Forceps	Atraumatic Jaws	2.0mm 7.75" (19.7cm)
840069	DeBakey Tissue Forceps	Atraumatic Jaws	3.5mm 7.75" (19.7cm)
840070	DeBakey Tissue Forceps	Atraumatic Jaws	2.0mm 9.5" (24.2cm)
840071	DeBakey Tissue Forceps	Atraumatic Jaws	3.5mm 9.5" (24.2cm)

Forceps: Carmalt (Splinter)



STRAIGHT

ITEM #	PRODUCT	FEATURE	SIZE
840072	Carmalt (Splinter) Forceps	Straight	4.75" (12.1cm)
840073	Carmalt (Splinter) Forceps	Curved	4.75" (12.1cm)

Forceps: Plain (Splinter)



ITEM #	PRODUCT	SIZE
840075	Plain (Splinter) Forceps	3.5" (8.9cm)
840074	Plain (Splinter) Forceps	4.5" (11.5cm)

Forceps: Jeweler's Tweezers



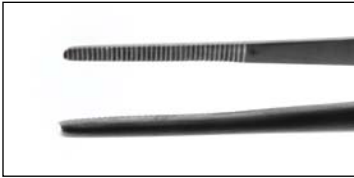
ITEM #	PRODUCT	FEATURE	SIZE
840076	Jeweler's Tweezers	#5 Superfine Point	4.75" (12.1cm)

Forceps: Beasley Babcock Tissue



ITEM #	PRODUCT	FEATURE	SIZE
840077	Beasley Babcock Tissue Forceps	Cross Points	4.75" (12.1cm)

Forceps: Potts-Smith Dressing



ITEM #	PRODUCT	FEATURE	SIZE
840078	Potts-Smith Dressing Forceps	Serrated Jaw	6" (15.2cm)
840079	Potts-Smith Dressing Forceps	Serrated Jaw	7" (17.8cm)
840080	Potts-Smith Dressing Forceps	Serrated Jaw	8.25" (20.9cm)
840081	Potts-Smith Dressing Forceps	Serrated Jaw	9.5" (24.3cm)

Forceps: Potts-Smith Tissue



ITEM #	PRODUCT	FEATURE	SIZE
840082	Potts-Smith Tissue Forceps	1x2 Teeth	6" (15.2cm)
840083	Potts-Smith Tissue Forceps	1x2 Teeth	7" (17.8cm)
840084	Potts-Smith Tissue Forceps	1x2 Teeth	8.25" (20.9cm)
840085	Potts-Smith Tissue Forceps	1x2 Teeth	9.5" (24.3cm)

Forceps: Bonney Tissue



ITEM #	PRODUCT	FEATURE	SIZE
840086	Bonney Tissue Forceps	1x2 Teeth	7" (18cm)
840087	Bonney Tissue Forceps	2x3 Teeth	7" (18cm)

Forceps: Ferris Smith Tissue



ITEM #	PRODUCT	FEATURE	SIZE
840088	Ferris Smith Tissue Forceps	2x3 Teeth	6.75" (17.1cm)

SECUROS FORCEPS Hemostats

Hartmann Mosquito.....	41	Foerster Sponge.....	49
Halsted Mosquito	41	Allis	50
Micro Mosquito.....	42	Babcock	51
Kelly.....	42	Doyen	51
Kelly-Rankin.....	43	Gemini-Mixer	51
Crile.....	43	Adson	52
Crile-Rankin	44	Ferguson Angiotribe	52
Rochester-Pean.....	44	Meeker Kantrowitz.....	53
Rochester-Ochsner	45	Lahey Vulsellum	53
Rochester Carmalt.....	46		
Backhaus.....	47		
Jones.....	48		
Lorna Edna	48		
Peers	49		



Hemostats: Hartmann Mosquito



STRAIGHT



CURVED

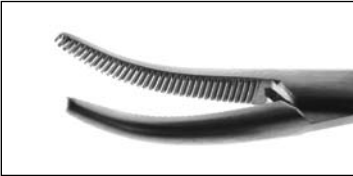


ITEM #	PRODUCT	FEATURE	SIZE
816200	Hartmann Mosquito Forceps	Straight Standard Pattern	3.5" (8.9cm)
816440	Hartmann Mosquito Forceps	Curved Standard Pattern	3.5" (8.9cm)

Hemostats: Halsted Mosquito



STRAIGHT



CURVED



STRAIGHT 1X2 TEETH

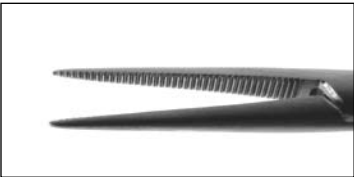


CURVED 1X2 TEETH



ITEM #	PRODUCT	FEATURE	SIZE
805530	Halsted Mosquito Forceps	Straight	5" (12.7cm)
805570	Halsted Mosquito Forceps	Curved	5" (12.7cm)
840658	Halsted Mosquito Forceps	Straight 1x2 Teeth	5" (12.7cm)
840659	Halsted Mosquito Forceps	Curved 1x2 Teeth	5" (12.7cm)

Hemostats: Micro Mosquito



STRAIGHT



CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840089	Micro Mosquito Forceps	Straight Very Delicate Pattern	4.75" (12.1cm)
840090	Micro Mosquito Forceps	Curved Very Delicate Pattern	4.75" (12.1cm)

Hemostats: Kelly



STRAIGHT



CURVED



ITEM #	PRODUCT	FEATURE	SIZE
805760	Kelly Forceps	Straight	5.5" (14cm)
805780	Kelly Forceps	Curved	5.5" (14cm)

Hemostats: Kelly-Rankin



STRAIGHT



CURVED

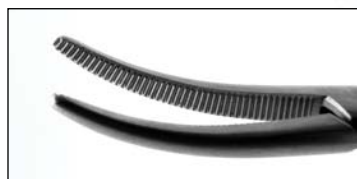


ITEM #	PRODUCT	FEATURE	SIZE
840660	Kelly-Rankin Forceps	Straight	6.25" (15.8cm)
840661	Kelly-Rankin Forceps	Curved	6.25" (15.8cm)

Hemostats: Crile



STRAIGHT



CURVED



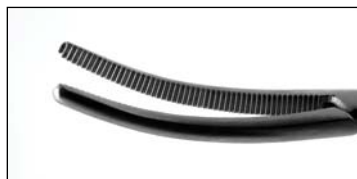
ITEM #	PRODUCT	FEATURE	SIZE
805840	Crile Forceps	Straight	5.5" (14cm)
805860	Crile Forceps	Curved	5.5" (14cm)

Hemostats: Crile-Rankin

**STRAIGHT****CURVED**

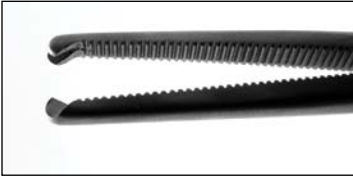
ITEM #	PRODUCT	FEATURE	SIZE
840091	Crile-Rankin Forceps	Straight	6.25" (15.8cm)
840662	Crile-Rankin Forceps	Curved	6.25" (15.8cm)

Hemostats: Rochester-Pean

**STRAIGHT****CURVED**

ITEM #	PRODUCT	FEATURE	SIZE
840663	Rochester-Pean Forceps	Straight	6.25" (15.8cm)
806040	Rochester-Pean Forceps	Curved	6.25" (15.8cm)
840664	Rochester-Pean Forceps	Straight	7.25" (18.4cm)
840665	Rochester-Pean Forceps	Curved	7.25" (18.4cm)
805970	Rochester-Pean Forceps	Straight	8" (20.3cm)
840666	Rochester-Pean Forceps	Curved	8" (20.3cm)
840667	Rochester-Pean Forceps	Straight	9" (22.9cm)
840668	Rochester-Pean Forceps	Curved	9" (22.9cm)
840669	Rochester-Pean Forceps	Straight	10" (25.4cm)
840670	Rochester-Pean Forceps	Curved	10" (25.4cm)

Hemostats: Rochester-Ochsner (Kocher)



STRAIGHT



CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840671	Rochester-Ochsner (Kocher) Forceps	Straight 1x2 Teeth	5.5" (14cm)
840672	Rochester-Ochsner (Kocher) Forceps	Curved 1x2 Teeth	5.5" (14cm)
840673	Rochester-Ochsner (Kocher) Forceps	Straight 1x2 Teeth	6.25" (15.8cm)
840674	Rochester-Ochsner (Kocher) Forceps	Curved 1x2 Teeth	6.25" (15.8cm)
840675	Rochester-Ochsner (Kocher) Forceps	Straight 1x2 Teeth	7.25" (18.4cm)
840676	Rochester-Ochsner (Kocher) Forceps	Curved 1x2 Teeth	7.25" (18.4cm)
840677	Rochester-Ochsner (Kocher) Forceps	Straight 1x2 Teeth	8" (20.3cm)
840678	Rochester-Ochsner (Kocher) Forceps	Curved 1x2 Teeth	8" (20.3cm)
840092	Rochester-Ochsner (Kocher) Forceps	Straight 1x2 Teeth	9" (22.9cm)
840679	Rochester-Ochsner (Kocher) Forceps	Curved 1x2 Teeth	9" (22.9cm)
840093	Rochester-Ochsner (Kocher) Forceps	Straight 1x2 Teeth	10" (25.4cm)
840680	Rochester-Ochsner (Kocher) Forceps	Curved 1x2 Teeth	10" (25.4cm)

Hemostats: Rochester Carmalt



6.25" STRAIGHT



6.25" CURVED



8" STRAIGHT

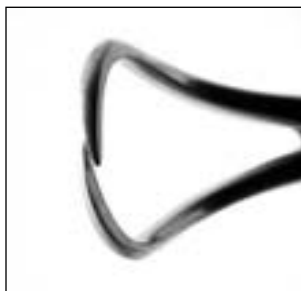


8" CURVED



ITEM #	PRODUCT	FEATURE	SIZE
806450	Rochester Carmalt Forceps	Straight	6.25" (15.8cm)
806470	Rochester Carmalt Forceps	Curved	6.25" (15.8cm)
806460	Rochester Carmalt Forceps	Straight	8" (20.3cm)
816480	Rochester Carmalt Forceps	Curved	8" (20.3cm)

Towel Clamps: Backhaus



3.5"

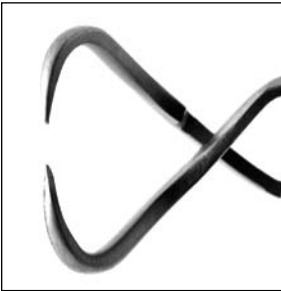


5.25"



ITEM #	PRODUCT	SIZE
815920	Backhaus Towel Clamp	3.5" (8.9cm)
815940	Backhaus Towel Clamp	5.25" (13.3cm)

Towel Clamps: Jones



ITEM #	PRODUCT	SIZE
840094	Jones Towel Clamp	3" (7.6cm)

Towel Clamps: Lorna Edna



4"



5.25"



ITEM #	PRODUCT	FEATURE	SIZE
830027	Lorna Edna Towel Clamp	Non-Perforating	4" (10.2cm)
840095	Lorna Edna Towel Clamp	Non-Perforating	5.25" (13.3cm)

Towel Clamps: Peers



ITEM #	PRODUCT	FEATURE	SIZE
840096	Peers Towel Clamp	Non-Perforating	5.5" (10.2cm)

Forceps: Foerster Sponge



STRAIGHT



CURVED



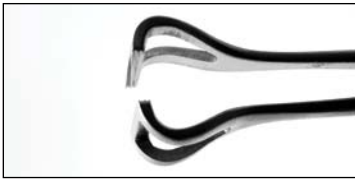
ITEM #	PRODUCT	FEATURE	SIZE
840097	Foerster Sponge Forceps	Serrated Jaws Straight	7" (17.7cm)
840098	Foerster Sponge Forceps	Serrated Jaws Curved	7" (17.7cm)
840099	Foerster Sponge Forceps	Serrated Jaws Straight	9.5" (24.2cm)
840100	Foerster Sponge Forceps	Serrated Jaws Curved	9.5" (24.2cm)

Tissue Forceps: Allis

**PEDIFINE ALLIS****THOMS-ALLIS****ALLIS ADAIR****ALLIS**

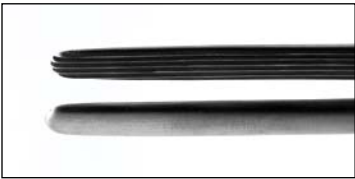
ITEM #	PRODUCT	FEATURE	SIZE
840101	Pedifine Allis Forceps	4x5 Teeth	4.75" (12.1cm)
840102	Pedifine Allis Forceps	4x5 Teeth	5.75" (14.6cm)
840103	Allis Forceps	3x4 Teeth	6" (15.2cm)
840104	Thoms-Allis Forceps	6x7 Teeth	8" (20.3cm)
840105	Allis Adair Forceps	9x10 Teeth	6" (15.2cm)
803380	Allis Forceps	4x5 Teeth	6" (15.2cm)
840106	Allis Forceps	5x6 Teeth	6" (15.2cm)
840107	Allis Forceps	5x6 Teeth	7.5" (19.1cm)
840108	Allis-Willauer Forceps	5x6 Teeth	10" (25.4cm)

Abdominal Forceps: Babcock



ITEM #	PRODUCT	SIZE
840109	Babcock Forceps	6.25" (15.8cm)
840110	Babcock Forceps	8" (20.3cm)
840111	Babcock Forceps	9.5" (24.2cm)

Abdominal Forceps: Doyen



STRAIGHT



CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840112	Doyen Forceps	Straight	9" (22.9cm)
840113	Doyen Forceps	Curved	9" (22.9cm)

Hemostats: Gemini-Mixer



ITEM #	PRODUCT	SIZE
840114	Gemini-Mixer	5.5" (14cm)
840115	Gemini-Mixer	7" (17.8cm)
840116	Gemini-Mixer	8" (20.3cm)
840117	Gemini-Mixer	9" (22.9cm)

Hemostats: Adson



ITEM #	PRODUCT	FEATURE	SIZE
840118	Adson Forceps	Curved	7.25" (18.4cm)
840119	Adson Forceps	Straight	7.25" (18.4cm)

Hemostats: Ferguson Angiotribe

**STRAIGHT****CURVED**

ITEM #	PRODUCT	FEATURE	SIZE
840120	Ferguson Angiotribe	Straight	6.5" (16.5cm)
807460	Ferguson Angiotribe	Curved	6.5" (16.5cm)
807470	Ferguson Angiotribe	Straight	7.5" (19.1cm)
840123	Ferguson Angiotribe	Curved	7.5" (19.1cm)

Hemostats: Meeker Kantrowitz



ITEM #	PRODUCT	FEATURE	SIZE
840124	Meeker Kantrowitz Forceps	Full Curved Jaws	7.75" (19.1cm)

Hemostats: Lahey Vulsellum



ITEM #	PRODUCT	FEATURE	SIZE
840125	Lahey Vulsellum Forceps	3x3 Teeth	6.25" (15.8cm)

SECUROS Needle Holders

Halsey.....	55	Ryder (French Eye)	59
Derf.....	55	Mathieu.....	59
Webster	56	Castroviejo.....	60
Olsen-Hegar	56-57	Barraquer.....	60
Mayo-Hegar.....	58	Heaney	61
Crile-Wood.....	58	Cruciate	61



Needle Holders: Halsey



SMOOTH STANDARD JAW



SMOOTH TC JAW

STANDARD



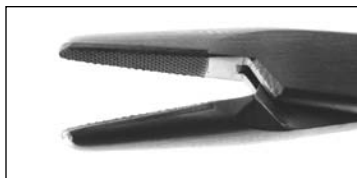
TUNGSTEN CARBIDE

ITEM #	PRODUCT	FEATURE	SIZE
840126	Halsey Needle Holder	Smooth Jaws	5" (12.1cm)
840127	Halsey Needle Holder	Serrated Jaws	5" (12.1cm)
840128	Halsey Needle Holder	Tungsten Carbide, Smooth Jaw	5" (12.1cm)
840129	Halsey Needle Holder	Tungsten Carbide, Serrated Jaw	5" (12.1cm)

Needle Holders: Derf



SERRATED JAW



TC JAW

STANDARD



TUNGSTEN CARBIDE

ITEM #	PRODUCT	FEATURE	SIZE
840130	Derf Needle Holder	Stainless Steel Serrated Jaws	4.75" (12.1cm)
840131	Derf Needle Holder	Tungsten Carbide Jaws	4.75" (12.1cm)

Needle Holders: Webster



SMOOTH JAW



ITEM #	PRODUCT	FEATURE	SIZE
840132	Webster Needle Holder	Smooth Jaws	5" (12.1cm)

Needle Holders: Baby Olsen-Hegar



STANDARD

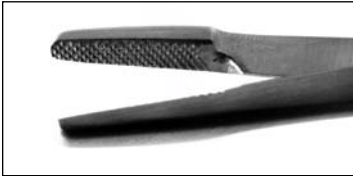


TUNGSTEN CARBIDE



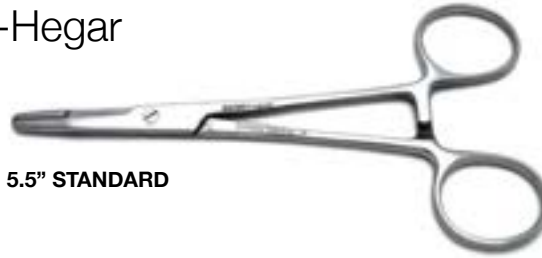
STANDARD	TUNGSTEN CARBIDE	PRODUCT	SIZE
840133	840136	Baby Olsen-Hegar Needle Holder	4.5" (12cm)

Needle Holders: Olsen-Hegar



5.5" OLSEN-HEGAR

5.5" STANDARD



5.5" TUNGSTEN CARBIDE



6.5" OLSEN-HEGAR

6.5" STANDARD



6.5" TUNGSTEN CARBIDE



7.5" OLSEN-HEGAR

7.5" STANDARD



7.5" TUNGSTEN CARBIDE



6.5" EUROPEAN PATTERN

**6.5" EUROPEAN PATTERN
TUNGSTEN CARBIDE**



STANDARD	TUNGSTEN CARBIDE	PRODUCT	FEATURE	SIZE
809960	809970	Olsen-Hegar Needle Holder		5.5" (14cm)
840134	810010	Olsen-Hegar Needle Holder		6.5" (16.5cm)
840135	809990	Olsen-Hegar Needle Holder		7.5" (19.1cm)
840137		Olsen-Hegar Needle Holder	European Pattern	6.5" (16.5cm)

Needle Holders: Mayo-Hegar



STANDARD



TUNGSTEN CARBIDE

STANDARD



TUNGSTEN CARBIDE



STANDARD	TUNGSTEN CARBIDE	PRODUCT	SIZE
840138	840142	Mayo-Hegar Needle Holder	5.25" (13.3cm)
840139	809380	Mayo-Hegar Needle Holder	6" (15.2cm)
840140	840143	Mayo-Hegar Needle Holder	7" (17.8cm)
840141	840144	Mayo-Hegar Needle Holder	8" (20.8cm)
	840145	Mayo-Hegar Needle Holder	10.5" (26.7cm)
	840146	Mayo-Hegar Needle Holder	12" (30.5cm)

Needle Holders: Crile-Wood



STANDARD



TUNGSTEN CARBIDE

STANDARD

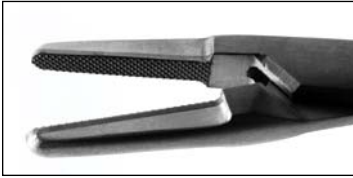


TUNGSTEN CARBIDE



STANDARD	TUNGSTEN CARBIDE	PRODUCT	SIZE
840147	840148	Crile-Wood Needle Holder	6" (15.2cm)
	840149	Crile-Wood Needle Holder	7" (17.8cm)
	840150	Crile-Wood Needle Holder	8" (20.3cm)
	840151	Crile-Wood Needle Holder	9" (22.9cm)
	840152	Crile-Wood Needle Holder	10" (22.9cm)
	840153	Crile-Wood Needle Holder	12" (30.5cm)

Needle Holders: Ryder (French Eye)



TUNGSTEN CARBIDE



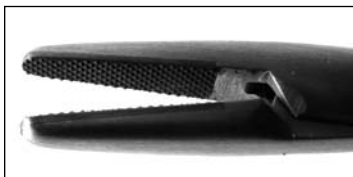
STANDARD	TUNGSTEN CARBIDE	PRODUCT	SIZE
	840154	Ryder (French Eye) Needle Holder	5" (12.7cm)
	840155	Ryder (French Eye) Needle Holder	6" (15.2cm)
	840156	Ryder (French Eye) Needle Holder	7" (17.8cm)
	840157	Ryder (French Eye) Needle Holder	8" (20.3cm)
	840158	Ryder (French Eye) Needle Holder	9" (22.9cm)

Needle Holders: Mathieu



STANDARD

STANDARD



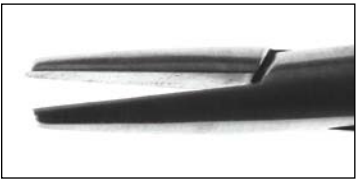
TUNGSTEN CARBIDE

TUNGSTEN CARBIDE



STANDARD	TUNGSTEN CARBIDE	PRODUCT	SIZE
840159	840161	Mathieu Needle Holder	5.5" (14cm)
840160	840162	Mathieu Needle Holder	6.5" (16cm)

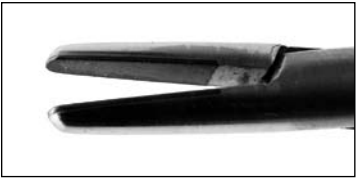
Needle Holders: Castroviejo



STANDARD



STANDARD



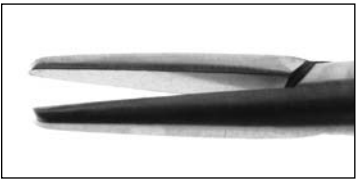
TUNGSTEN CARBIDE



TUNGSTEN CARBIDE

STANDARD	TUNGSTEN CARBIDE	PRODUCT	FEATURE	SIZE
840163	840164	Castroviejo Needle Holder	Straight, Smooth with Lock	5.5" (14cm)

Needle Holders: Barraquer



STRAIGHT SMOOTH



CURVED SMOOTH

STANDARD	TUNGSTEN CARBIDE	PRODUCT	FEATURE	SIZE
816420		Barraquer Needle Holder	Straight, Smooth Jaws with Lock	5.5" (14cm)
816400		Barraquer Needle Holder	Curved, Smooth Jaws with Lock	5.5" (14cm)

Needle Holders: Heaney

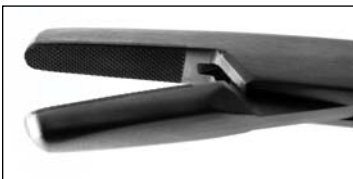


TUNGSTEN CARBIDE



STANDARD	TUNGSTEN CARBIDE	PRODUCT	FEATURE	SIZE
	840166	Heaney Needle Holder	Curved	8.25" (20.9cm)
	840167	Heaney Needle Holder	Curved	10" (25.4cm)

Needle Holders: Cruciate



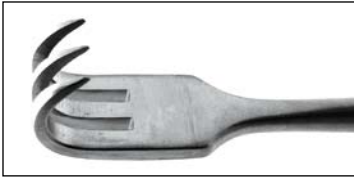
STANDARD	TUNGSTEN CARBIDE	PRODUCT	FEATURE	SIZE
	840168	Cruciate Needle Holder	Tungsten Carbide Jaws	7" (17.8cm)

SECUROS Retractors

Senn	63	Balfour	67
Ragnell	63	Gossett Abdominal	68
Lahey	63	Inge	68
Alm	64	U.S. Army	69
Holzheimer	64	Hohmann	69
Gelpi	64	Ribbon	70
Weitlaner	65	Meyerding	71
Stifle	66		
Wallace Knee	67		



Retractors: Senn

**SHARP**

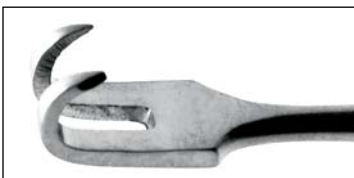
ITEM #	PRODUCT	FEATURE	SIZE
815750	Senn Retractor	3 Prongs Sharp	6.25" (15.8cm)
840169	Senn Retractor	3 Prongs Blunt	6.25" (15.8cm)

Retractors: Ragnell



ITEM #	PRODUCT	FEATURE	SIZE
840170	Ragnell Retractor	Double Ended	6" (15.2cm)

Retractors: Lahey



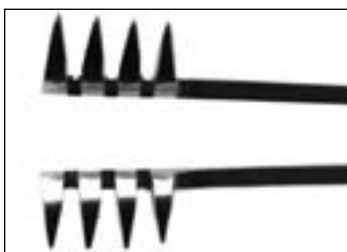
ITEM #	PRODUCT	FEATURE	SIZE
840171	Lahey Retractor	1 Prong Sharp	4.75" (12.1cm)
840172	Lahey Retractor	2 Prongs Sharp	4.75" (12.1cm)
840173	Lahey Retractor	3 Prongs Sharp	4.75" (12.1cm)

Retractors: Alm



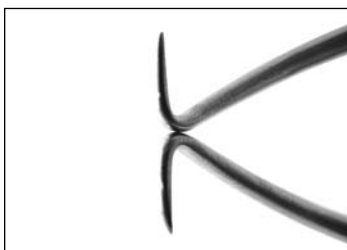
ITEM #	PRODUCT	FEATURE	SIZE
840174	Alm Retractor	4x4 Prongs	2.75" (7cm)
840175	Alm Retractor	4x4 Prongs	4" (10.2cm)

Retractors: Holzheimer



ITEM #	PRODUCT	FEATURE	SIZE
840176	Holzheimer Retractor	Sharp 4x4 Prongs	4" (10.2cm)
840177	Holzheimer Retractor	Blunt 4x4 Prongs	4" (10.2cm)

Retractors: Gelpi



ITEM #	PRODUCT	FEATURE	SIZE
840178	Gelpi Retractor	Pedifine	3.5" (8.9cm)
840179	Gelpi Retractor		4.5" (11.5cm)
808920	Gelpi Retractor		5.5" (14cm)
808940	Gelpi Retractor		7" (17.8cm)

Retractors: Weitlaner



BABY WEITLANER



WEITLANER



ITEM #	PRODUCT	FEATURE	SIZE
840180	Baby Weitlaner Retractor	Sharp 2x3 Prongs	4" (10.2cm)
840181	Baby Weitlaner Retractor	Blunt 2x3 Prongs	4" (10.2cm)
840182	Weitlaner Retractor	Sharp 3x4 Prongs	5.5" (14cm)
840681	Weitlaner Retractor	Blunt 3x4 Prongs	5.5" (14cm)
808710	Weitlaner Retractor	Sharp 3x4 Prongs	6.25" (16.5cm)
840183	Weitlaner Retractor	Blunt 3x4 Prongs	6.25" (16.5cm)
840184	Weitlaner Retractor	Sharp 3x4 Prongs	8" (20.3cm)
840185	Weitlaner Retractor	Blunt 3x4 Prongs	8" (20.3cm)
840186	Weitlaner Retractor	Sharp 3x4 Prongs	9.5" (24.2cm)
840187	Weitlaner Retractor	Blunt 3x4 Prongs	9.5" (24.2cm)

Retractors: Stifle



SMALL STIFLE

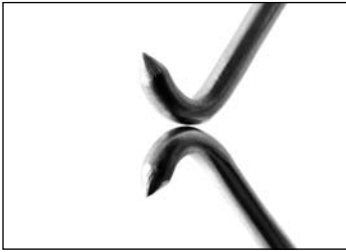


WITH SPEED LOCK



ITEM #	PRODUCT	FEATURE	SIZE
840188	Small Stifle Retractor	With Speed Lock, Cross-Action Tips	5" (12.1cm)
840190	Stifle Retractor	With Speed Lock, Cross-Action Tips	7" (17.8cm)

Retractors: Wallace Knee



ITEM #	PRODUCT	SIZE
840189	Wallace Knee Retractor	5"

Retractors: Balfour



PEDIATRIC BALFOUR



BALFOUR

ITEM #	PRODUCT	SIZE
808900	Pediatric Balfour Retractor	3.5" (8.9cm) Spread
840682	Balfour Retractor	7" (17.8cm) Spread

Retractors: Gossett Abdominal



ITEM #	PRODUCT	SIZE
840192	Gossett Abdominal Retractor	5.5" (14cm)

Retractors: Inge



6.5" INGE



11" INGE



ITEM #	PRODUCT	FEATURE	SIZE
840194	Inge Retractor		6.5" (16.5cm)
840195	Inge Retractor		11" (27.9cm)

Retractors: U.S. Army



ITEM #	PRODUCT	FEATURE	SIZE
840193	U.S. Army Retractor	.625 Wide (1.6cm) - Set of 2	8.5" (21.6cm)

Retractors: Hohmann



MINI HOHMANN 6MM WIDTH



MINI HOHMANN 8MM WIDTH



HOHMANN 12MM WIDTH



HOHMANN 18MM WIDTH

ITEM #	PRODUCT	FEATURE	SIZE
840196	Mini Hohmann Retractor	6mm Width	6.5" (16.5cm)
813880	Mini Hohmann Retractor	8mm Width	6.5" (16.5cm)
840197	Hohmann Retractor	12mm Width	8" (20.4cm)
840198	Hohmann Retractor	18mm Width	9" (22.9cm)

Retractors: Ribbon



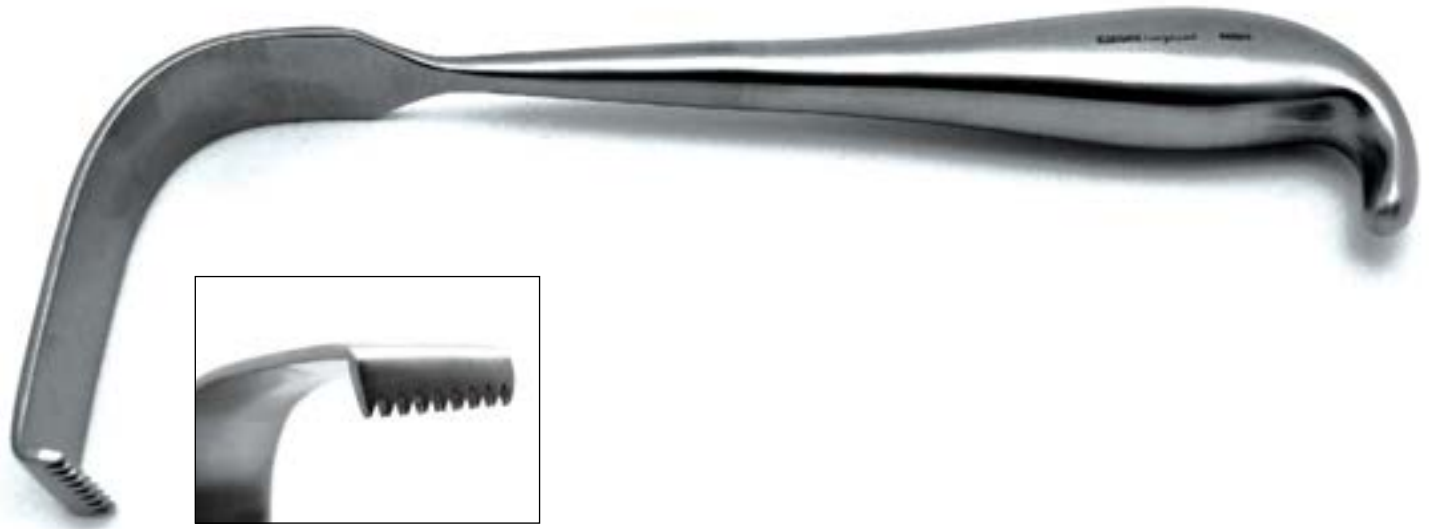
BABY RIBBON



13" RIBBON

ITEM #	PRODUCT	FEATURE	SIZE
840199	Baby Ribbon Retractor	Malleable 1.0" (2.5cm)	7" (17.8cm)
840200	Baby Ribbon Retractor	Malleable .25" (.6cm)	7" (17.8cm)
840201	Baby Ribbon Retractor	Malleable .5" (1.3cm)	7" (17.8cm)
840202	Baby Ribbon Retractor	Malleable .75" (1.9cm)	7" (17.8cm)
840203	Ribbon Retractor	Malleable .75" (1.9cm)	13" (33cm)
840204	Ribbon Retractor	Malleable 1.0" (2.5cm)	13" (33cm)
840205	Ribbon Retractor	Malleable 1.25" (3.1cm)	13" (33cm)
840206	Ribbon Retractor	Malleable 1.5" (3.8cm)	13" (33cm)
840207	Ribbon Retractor	Malleable 2.0" (5.1cm)	13" (33cm)
840208	Ribbon Retractor	Malleable 2.5" (6.8cm)	13" (33cm)
840209	Ribbon Retractor	Malleable 3.0" (7.6cm)	13" (33cm)

Retractors: Meyerding



ITEM #	PRODUCT	FEATURE	SIZE
840210	Meyerding Retractor	52mm x 16mm Blade, Small	10" (25.5cm)
840211	Meyerding Retractor	75mm x 25mm Blade, Medium	10" (25.5cm)
840212	Meyerding Retractor	89mm x 50mm Blade, Large	10" (25.5cm)

BONE CUTTING

SECUROS

Rongeurs & Bone Forceps

Bone Cutting Forceps.....	73	-Luer	75
-Liston	73	-Ruskin.....	75
-Ruskin-Liston.....	73	-Beyer-Stille.....	76
Rongeurs	74-79	-Echlin	76
-Micro Friedman.....	74	-Leksell.....	77
-Lempert	74	-Stille-Luer.....	77
-Adson	74	-Kerrison	78
-Dean	75	-Ferris-Smith	79



Bone Forceps: Liston Cutting



STRAIGHT



ANGLED



ITEM #	PRODUCT	FEATURE	SIZE
840213	Liston Bone Cutting Forceps	Straight	5.5" (14cm)
840214	Liston Bone Cutting Forceps	Straight	7.5" (19.1cm)
840215	Liston Bone Cutting Forceps	Straight	8.75" (22.2cm)
840218	Liston Bone Cutting Forceps	Angled	5.5" (14cm)
840219	Liston Bone Cutting Forceps	Angled	7.5" (19.1cm)
840220	Liston Bone Cutting Forceps	Angled	8.75" (22.2cm)

Bone Forceps: Ruskin-Liston Cutting



STRAIGHT



ANGLED



ITEM #	PRODUCT	FEATURE	SIZE
840216	Ruskin-Liston Cutting Forceps	Straight	7.5" (19.1cm)
840217	Ruskin-Liston Cutting Forceps	Angled	7.5" (19.1cm)

Rongeur: Micro Friedman



ITEM #	PRODUCT	FEATURE	SIZE
840221	Micro Friedman Rongeur	1.3mm x 10mm Jaws Curved	5.5" (14.5cm) 1.3mm

Rongeur: Lempert



STRAIGHT



CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840222	Lempert Rongeur	2.5x10mm Bite Straight	6.5" (16.5cm)
810580	Lempert Rongeur	2.5x10mm Bite Curved	6.5" (16.5cm)

Rongeur: Adson



ITEM #	PRODUCT	FEATURE	SIZE
840223	Adson Rongeur	17x7mm Bite Straight	8" (20.3cm)

Rongeur: Dean



ITEM #	PRODUCT	FEATURE	SIZE
840224	Dean Rongeur	3mm x 10mm Bite Curved	5.75" (14.6cm)

Rongeur: Luer

**CURVED**

ITEM #	PRODUCT	FEATURE	SIZE
840225	Luer Rongeur	8x10mm Bite Straight	7" (17.8cm)
840226	Luer Rongeur	8x10mm Bite Curved	7" (17.8cm)

Rongeur: Ruskin

**STRAIGHT**

ITEM #	PRODUCT	FEATURE	SIZE
840227	Ruskin Rongeur	3mm x 10mm Bite Curved	6" (15cm)
840228	Ruskin Rongeur	4mm x 15mm Bite Straight	7.25" (18.4cm)
840229	Ruskin Rongeur	4mm x 15mm Bite Curved	7.25" (18.4cm)

Rongeur: Beyer-Stille



ITEM #	PRODUCT	FEATURE	SIZE
840230	Beyer-Stille Rongeur	4x15mm Bite Curved	7" (17.8cm)

Rongeur: Echlin



ITEM #	PRODUCT	FEATURE	SIZE
840231	Echlin Rongeur	Angular (Duckbill) 2x15mm Bite	9" (22.9cm)
840232	Echlin Rongeur	Angular (Duckbill) 3x15mm Bite	9" (22.9cm)
840233	Echlin Rongeur	Angular (Duckbill) 4x15mm Bite	9" (22.9cm)

Rongeur: Leksell



ITEM #	PRODUCT	FEATURE	SIZE
840234	Leksell Rongeur	7x16mm Bite Angled	9" (23cm)
840235	Leksell Rongeur	4x16mm Bite Angled	9" (23cm)

Rongeur: Stille-Luer



CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840236	Stille-Luer Ronguer	9x15mm Bite Straight	8.5" (21.6cm)
840237	Stille-Luer Ronguer	9x15mm Bite Curved	8.5" (21.6cm)

Rongeur: Kerrison



1MM (90 DEGREE)



2MM (90 DEGREE)



1MM (40 DEGREE)

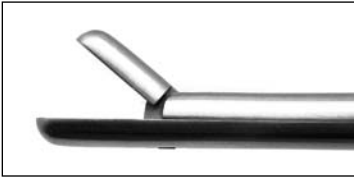


3MM (40 DEGREE)



ITEM #	PRODUCT	FEATURE	SIZE
840238	Kerrison Rongeur	1mm Up-Bite	7" (17.8cm) 90 Degree
840239	Kerrison Rongeur	2mm Up-Bite	7" (17.8cm) 90 Degree
840240	Kerrison Rongeur	1mm Up-Bite	7" (17.8cm) 40 Degree
840241	Kerrison Rongeur	3mm Up-Bite, Thin Foot Plate	7" (17.8cm) 40 Degree

Rongeur: Ferris-Smith



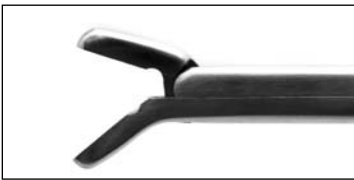
6MM X 10MM STRAIGHT



4MM X 10MM UP-ANGLE



6MM X 10MM UP-ANGLE



6MM X 10MM DOWN-ANGLE



ITEM #	PRODUCT	FEATURE	SIZE
840242	Ferris-Smith Rongeur	6mm x 10mm Straight	7" (17.8cm)
840243	Ferris-Smith Rongeur	6mm x 12mm Straight	7" (17.8cm)
840244	Ferris-Smith Rongeur	4mm x 10mm Up-Angle	7" (17.8cm)
840245	Ferris-Smith Rongeur	6mm x 10mm Up-Angle	7" (17.8cm)
840246	Ferris-Smith Rongeur	6mm x 10mm Down-Angle	7" (17.8cm)

SECUROS BONE HOLDING Orthopedic Instruments

Osteotomes.....	81	Stainless Steel Locking Pliers	93
Chisels	82	Femoral Ligament Cutter	94
Elevators.....	82	Slip Joint Pliers.....	94
Curettes	83	Needle Nose Pliers	95
Kern Forceps	84	Flat Nose Pliers.....	96
Lane Forceps.....	84	Martin Cartilage Scissors & Clamps	96
Lowman Clamps	85	Smillie Cartilage Knife.....	97
Bone Reduction Forceps.....	85	Wire Twisters.....	97
Verbrugge Self Centering Bone Forceps	86	Michele Trephine.....	98
Lambotte Bone Holding Forceps	86	Hammers & Mallets	98
Patella Forceps	87	Pin Cutters.....	99
Bone Holding Forceps.....	87	Pin/Wire Cutters	100
Bone Reduction Forceps.....	88	Wire Cutters.....	100
Dingman Cartilage & Bone Clamp.....	88	Drill & Chucks	101
Lewin Forceps	88	Cerclage Wire Passer	102
Gigli Wire.....	89	Wire & Pin Gauge/Ruler.....	103
Bone Rasps.....	90	Bone Wire Guide	103
Saws.....	91	Wire	104
Bone Tamps	91	Pin Bag.....	104
Locking Needle Nose Pliers.....	92	Steinmann/Intermedullary Pins	105
Parallel Pliers.....	93		

Osteotomes

ITEM #	WIDTH	LENGTH
Hoke - Straight		
		
840683	3mm/.125" (0.3cm)	5.5" (14cm)
840247	4mm/.16" (0.4cm)	5.5" (14cm)
840248	6mm/.25" (0.6cm)	5.5" (14cm)
840684	8mm/.31" (0.8cm)	5.5" (14cm)
840685	10mm/.39" (1.0cm)	5.5" (14cm)
840249	13mm/.5" (1.3cm)	5.5" (14cm)
840250	16mm/.625" (1.6cm)	5.5" (14cm)
840251	19mm/.75" (1.9cm)	5.5" (14cm)
Lambotte - Straight		
		
840274	6mm/.25" (.6cm)	9" (22.9cm)
840275	13mm/.5" (1.3cm)	9" (22.9cm)
840276	19mm/.75" (1.9cm)	9" (22.9cm)
840277	25mm/.98" (2.5cm)	9" (22.9cm)
840278	31mm/1.22" (3.1cm)	9" (22.9cm)
840279	38mm/1.5" (3.8cm)	9" (22.9cm)
Lambotte - Curved		
		
840280	6mm/.25" (0.6cm)	9" (22.9cm)
840281	13mm/.5" (1.3cm)	9" (22.9cm)
840282	19mm/.75" (1.9cm)	9" (22.9cm)
840283	25mm/.98" (2.5cm)	9" (22.9cm)
840284	31mm/1.22" (3.1cm)	9" (22.9cm)
840285	38mm/1.5" (3.8cm)	9" (22.9cm)

ITEM #	WIDTH	LENGTH
Junior Lambotte		
		
840263	4mm/.16" (0.4cm)	7.25" (18.4cm)
840264	5mm/.20" (0.5cm)	7.25" (18.4cm)
840265	6mm/.25" (0.6cm)	7.25" (18.4cm)
840266	7mm/.28" (0.7cm)	7.25" (18.4cm)
840267	9mm/.35" (0.9cm)	7.25" (18.4cm)
840268	10mm/.39" (1.0cm)	7.25" (18.4cm)
840269	12mm/.47" (1.2cm)	7.25" (18.4cm)
840270	16mm/.63" (1.6cm)	7.25" (18.4cm)
840271	19mm/.75" (1.9cm)	7.25" (18.4cm)
840272	22mm/.87" (2.2cm)	7.25" (18.4cm)
840273	25mm/.98" (2.5cm)	7.25" (18.4cm)
Pedifine Lambotte: Straight		
		
840252	2mm/.08" (0.2cm)	5" (12.7cm)
840253	3mm/.12" (0.3cm)	5" (12.7cm)
840254	4mm/.16" (0.4cm)	5" (12.7cm)
840255	6mm/.25" (0.6cm)	5" (12.7cm)
840256	7mm/.28" (0.7cm)	5" (12.7cm)
840257	8mm/.31" (0.9cm)	5" (12.7cm)
840258	9mm/.35" (0.9cm)	5" (12.7cm)
840259	10mm/.39" (1.0cm)	5" (12.7cm)
840260	12mm/.47" (1.2cm)	5" (12.7cm)
840261	15mm/.59" (1.5cm)	5" (12.7cm)
840262	19mm/.75" (1.9cm)	5" (12.7cm)
Army Pattern - Straight		
		
840286	6mm/.25" (0.6cm)	6.5" (16.5cm)
840287	12mm/.50" (1.3cm)	6.5" (16.5cm)
840288	18mm/.70" (1.8cm)	6.5" (16.5cm)

Chisels



ITEM #	PRODUCT	FEATURE	SIZE
840289	Army Chisel	6mm	6.5" (16.5cm)
840290	Army Chisel	12mm	6.5" (16.5cm)
840291	Army Chisel	18mm	6.5" (16.5cm)

Elevators



FREER PERIOSTEAL



LANE PERIOSTEAL



LAGENBECK PERIOSTEAL



KEY



ADSON

ITEM #	PRODUCT	FEATURE	SIZE
816520	Freer Periosteal Elevator	Double Ended Sharp/Blunt	7.5" (19.1cm)
840293	Lane Periosteal Elevator	6mm Narrow	6.5" (16.5cm)
840294	Lane Periosteal Elevator	10mm Broad	6.5" (16.5cm)
840295	Langenbeck Periosteal Elevator	Narrow 7mm Blunt Tip	7" (17.8cm)
840296	Langenbeck Periosteal Elevator	Broad 17mm Blunt Tip	7" (17.8cm)
840297	Key Elevator	Squared .25"/0.6cm	7.5" (19.1cm)
840298	Key Elevator	Squared .5"/1.3cm	7.5" (19.1cm)
840299	Key Elevator	Squared .75"/1.9cm	7.5" (19.1cm)
840300	Key Elevator	Squared 1.0"/2.5cm	7.5" (19.1cm)
840301	Adson Elevator	Blunt, straight 7mm	6.75" (17.1cm)
840302	Adson Elevator	Blunt, curved 7mm	6.75" (17.1cm)
840303	Adson Elevator	Semi-sharp, curved 7mm	6.75" (17.1cm)
840304	Adson Elevator	Semi-sharp, straight 7mm	6.75" (17.1cm)
840305	Periosteal Elevator	Wide Rounded Edge, Phenolic Handle 14mm	7.75" (19.7cm)
840306	Periosteal Elevator	Wide Rounded Edge, Phenolic Handle, Curved 14mm	7.75" (19.7cm)
840307	Periosteal Elevator	Narrow Rounded Edge, Phenolic Handle, Curved 6mm	7.25" (18.4cm)

Curettes



BRUNS RING CURETTE



ITEM #	PRODUCT	FEATURE	SIZE
840308	Bruns Ring Curette	Size 00000 Oval Cup, Hollow Handles	7" (17.8cm)
840309	Bruns Ring Curette	Size 0000 Oval Cup, Hollow Handles	7" (17.8cm)
840310	Bruns Ring Curette	Size 000 Oval Cup, Hollow Handles	7" (17.8cm)
840311	Bruns Ring Curette	Size 00 Oval Cup, Hollow Handles	7" (17.8cm)
840312	Bruns Ring Curette	Size 0 Oval Cup, Hollow Handles	7" (17.8cm)
840313	Bruns Ring Curette	Size 1 Oval Cup, Hollow Handles	7" (17.8cm)
840314	Bruns Ring Curette	Size 2 Oval Cup, Hollow Handles	7" (17.8cm)
840315	Bruns Ring Curette	Size 3 Oval Cup, Hollow Handles	7" (17.8cm)
840316	Bruns Ring Curette	Size 4 Oval Cup, Hollow Handles	7" (17.8cm)
840317	Bruns Ring Curette	Size 5 Oval Cup, Hollow Handles	7" (17.8cm)
840318	Bruns Ring Curette	Size 6 Oval Cup, Hollow Handles	7" (17.8cm)

Kern Forceps



WITH RATCHET

ITEM #	PRODUCT	FEATURE	SIZE
840319	Kern Forceps	with Ratchet	4.5" (11.4cm)
840321	Kern Forceps	with Ratchet	5.75" (14.6cm)
816290	Kern Forceps	with Ratchet	8.5" (21.6cm)
840320	Kern Forceps	with Ratchet	9.5" (24cm)
816411	Kern Forceps	without Ratchet	5.75" (14.6cm)
840322	Kern Forceps	without Ratchet	8.5" (21.6cm)

Lane Forceps



ITEM #	PRODUCT	FEATURE	SIZE
840323	Lane Forceps	with Ratchet	13" (33cm)
840324	Lane Forceps	with Ratchet	17" (43cm)

Lowman Clamps



ITEM #	PRODUCT	FEATURE	SIZE
840325	Lowman Clamp	1x2 Prong Jaw	5" (12.7cm)
840326	Lowman Clamp	1x2 Prong Jaw	7" (17.8cm)
840327	Lowman Clamp	1x2 Prong Jaw	8" (20.3cm)

Bone Reduction Forceps



CLAMSHELL WITH SPEED LOCK



CURVED TIPS RATCHET STYLE



ITEM #	PRODUCT	FEATURE	SIZE
840328	Bone Reduction Forceps (Clamshell)	With Speed Lock	6" (15.2cm)
840329	Bone Reduction Forceps (Clamshell)	With Speed Lock	7" (17.8cm)
840330	Bone Reduction Forceps (Clamshell)	With Speed Lock	8" (20.3cm)
840331	Bone Reduction Forceps (Clamshell)	With Speed Lock	9" (22.8cm)
840332	Bone Reduction Forceps (Clamshell)	With Speed Lock	10.25" (26cm)
840333	Bone Reduction Forceps (Clamshell)	With Speed Lock	11" (28cm)
840334	Bone Reduction Forceps	Curved tips ratchet style	5.5" (14cm)
840335	Bone Reduction Forceps	Curved tips ratchet style	6" (15.2cm)

Verbrugge Self Centering Bone Forceps



ITEM #	PRODUCT	FEATURE	SIZE
840336	Verbrugge Self Centering Bone Forceps	with Speed Lock	5.5" (14cm)
840337	Verbrugge Self Centering Bone Forceps	with Speed Lock	6" (15.2cm)
840338	Verbrugge Self Centering Bone Forceps	with Speed Lock	7.5" (19cm)
840339	Verbrugge Self Centering Bone Forceps	with Speed Lock	9.5" (24.1cm)

Lambotte Bone Holding Forceps



ITEM #	PRODUCT	FEATURE	SIZE
840340	Lambotte Bone Holding Forceps	Adjustable	8.75" (22.2cm)
840341	Lambotte Bone Holding Forceps	Adjustable	10.5" (26.7cm)

Patella Forceps



ITEM #	PRODUCT	FEATURE	SIZE
840342	Patella Forceps	2x2 Teeth with Speed Lock	6.25" (15.9cm)

Bone Holding Forceps



ITEM #	PRODUCT	FEATURE	SIZE
840343	Bone Holding Forceps	.035" Wire Guide, Curved	5" (12.7cm)
840344	Bone Holding Forceps	.035" Wire Guide, Curved	6.25" (15.9cm)

Bone Reduction Forceps



5.5"



8.5"



ITEM #	PRODUCT	FEATURE	SIZE
840345	Bone Reduction Forceps	Curved Pointed Tips, Open to 1"	5.5" (14cm)
840346	Bone Reduction Forceps	Curved Pointed Tips, Open to 1"	8.5" (21.6cm)

Dingman Cartilage & Bone Clamp



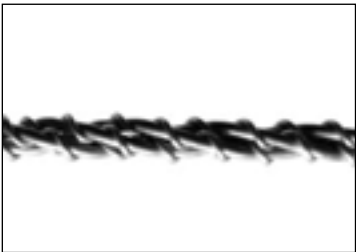
ITEM #	PRODUCT	FEATURE	SIZE
840347	Dingman Cartilage and Bone Clamp	2x2 Teeth	7.5" (19cm)

Lewin Forceps



ITEM #	PRODUCT	SIZE
840348	Lewin Forceps	7" (17.8cm)

Gigli Wire



GIGLI WIRE SAW



ITEM #	PRODUCT	FEATURE
840349	Gigli Wire Saw	12"
840350	Gigli Wire Saw	20"
840351	Gigli Saw Handle	Set of 2

Bone Rasps



FOMON RASP



PUTTI BONE RASP (FLAT)



PUTTI BONE RASP (ROUND)



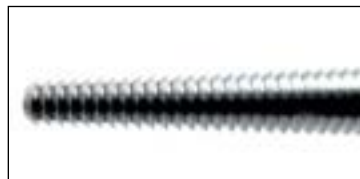
LEWIS RASP



AUFRICHT RASP



COTTLE RASP



TROCHLEAR RASP



ITEM #	PRODUCT	FEATURE	SIZE
840352	Fomon Rasp & File	Convex and Flat End	8.5" (21.6cm)
840353	Putti Bone Rasp	Double Ended Flat	10.75" (27.3cm)
840354	Putti Bone Rasp	Double Ended, Round and Flat	11.75" (29.8cm)
840355	Lewis Rasp	8mm	7" (7mm)
840356	Aufricht Rasp	8mm	7" (17.8cm)
840357	Cottle Rasp	7mm	7" (17.8cm)
840358	Trochlear Rasp	Conical End	6.5" (17cm)

Saws



PLX PATELLA SAW



LINDEMANN BONE SAW



ITEM #	PRODUCT	FEATURE	SIZE
001009	PLX Patella Saw	With 25mm Replacement Blade	30mm
001010	PLX Luxation Saw Blade	Replacement Blade	15mm
001011	PLX Luxation Saw Blade	Replacement Blade	25mm
840362	Lindemann Bone Saw		8" (20cm)

Bone Tamps



ITEM #	PRODUCT	FEATURE	SIZE
840363	Bone Tamp	3mm Diameter	6.25" (15.9cm)
840364	Bone Tamp	5mm Diameter	6.25" (15.9cm)
840365	Bone Tamp	7mm Diameter	6.25" (15.9cm)
840366	Bone Tamp	9mm Diameter	6.25" (15.9cm)

Locking Needle Nose Pliers



ITEM #	PRODUCT	SIZE
840367	Locking Needle Nose Pliers	8.5" (21.6cm) Length
840368	Locking Needle Nose Pliers	10" (25.4cm) Length
840369	Locking Needle Nose Pliers	12" (30.4cm) Length

Parallel Pliers



PARALLEL PLIERS



PARALLEL PLIERS WITH WIRE CUTTERS

ITEM #	PRODUCT	FEATURE	SIZE
840370	Parallel Pliers		7" (17.8cm) Length
840371	Parallel Pliers	with Wire Cutters	7" (17.8cm) Length

Stainless Steel Locking Pliers



7"



8"



9.5"

ITEM #	PRODUCT	SIZE
840372	Stainless Steel Locking Pliers	7" (17.8cm) Length
840373	Stainless Steel Locking Pliers	8" (20.3cm) Length
840374	Stainless Steel Locking Pliers	9.5" (24 cm) Length

Femoral Ligament Cutter



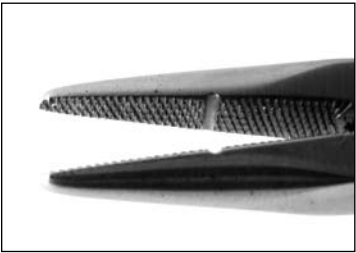
ITEM #	PRODUCT	FEATURE	SIZE
840375	Femoral Ligament Cutter (Hatt Spoon)	with Solid Handle	9" (22.9cm)

Slip Joint Pliers

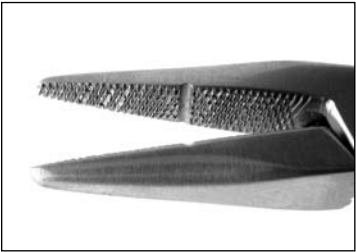


ITEM #	PRODUCT	FEATURE	SIZE
840376	Slip Joint Pliers	Adjustable	7.75" (19.7cm) Length

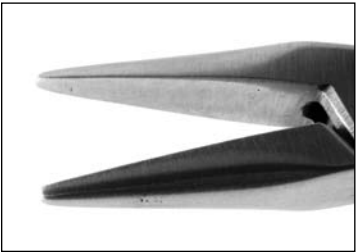
Needle Nose Pliers



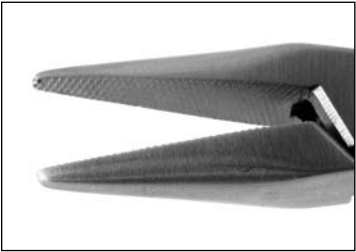
DELICATE



TAPPED



WIDE JAW



SERRATED

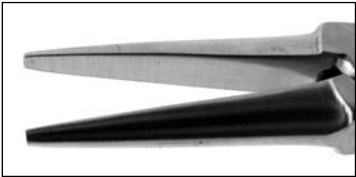


ITEM #	PRODUCT	FEATURE	SIZE
840377	Needle Nose Pliers	Delicate	5.5" (14cm)
840378	Needle Nose Pliers	Tapped	5.5" (14cm)
840379	Needle Nose Pliers	Wide Jaw	5.5" (14cm)
840380	Needle Nose Pliers	Serrated	5.5" (14cm)

Flat Nose Pliers



STANDARD



SMOOTH JAW

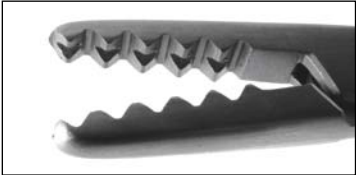


ITEM #	PRODUCT	FEATURE	SIZE
840381	Flat Nose Pliers	2mm Tip	6" (15.2cm)
840382	Flat Nose Pliers	2mm Tip Smooth Jaw	6" (15.2cm)

Martin Cartilage Scissors & Clamps



SCISSORS

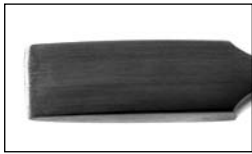


CLAMPS

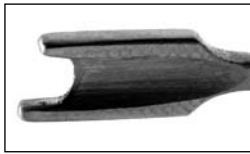


ITEM #	PRODUCT	FEATURE	SIZE
840383	Martin Cartilage Scissors	Serrated Blades, Curved	7.75" (19.7cm)
840384	Martin Cartilage Clamp		7" (17.8cm)
840385	Martin Cartilage Clamp		8" (20.3cm)

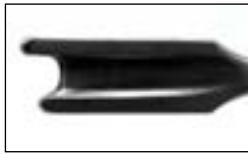
Smillie Cartilage Knife



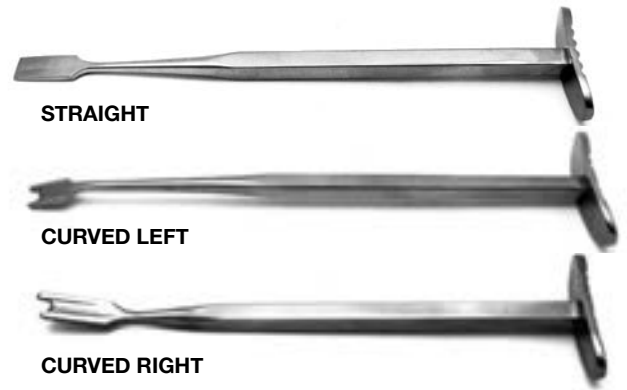
STRAIGHT



CURVED LEFT



CURVED RIGHT



STRAIGHT

CURVED LEFT

CURVED RIGHT

ITEM #	PRODUCT	FEATURE	SIZE
840386	Smillie Cartilage Knife	Straight	6.75" (17cm)
840388	Smillie Cartilage Knife	Curved Right	6.75" (17cm)
840389	Smillie Cartilage Knife	Curved Left	6.75" (17cm)

Wire Twisters



WIRE TWISTER WITH HOLE



WIRE TWISTER WITH SQUARE JAW (TC)



BERRY WIRE TWISTER (TC)



CORWIN BLUNT WIRE TWISTER



ITEM #	PRODUCT	FEATURE	SIZE
840390	Wire Twister with hole	Standard, with Hole	6" (15.2cm)
840391	Wire Twister with square jaw	Tungsten Carbide, Square Jaw	6" (15.2cm)
840392	Wire Twister with square jaw	Tungsten Carbide, Square Jaw	8" (20.3cm)
840393	Berry Wire Twister	Tungsten Carbide	7" (17.8cm)
840394	Corwin Blunt Wire Twister	Tungsten Carbide	6" (15.2cm)

Michele Trephine

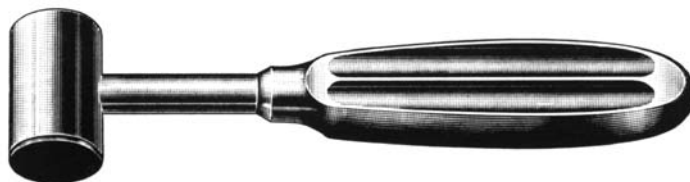


ITEM #	PRODUCT	FEATURE	SIZE
840395	Michele Trephine	Small (.47cm)	6.25" (15.9cm)
840396	Michele Trephine	Medium (.56cm)	6.25" (15.9cm)
840397	Michele Trephine	Large (.79cm)	6.25" (15.9cm)

Hammers & Mallets



MEAD MALLET



GERZOG HAMMER



LUCAE MALLET



SECUROS MALLET LIGHTWEIGHT

ITEM #	PRODUCT	FEATURE	SIZE
813670	Mead Mallet	w/ Replacable Plastic Facings	7.5" (19.1cm) Dia. 1" (2.5cm)
840398	Plastic Facings	Set of 2 for #813670	
840399	Gerzog Hammer	8 oz, lead filled	7.5" (19.1cm)
840400	Lucae Mallet	1" Head, Stainless	7.75" (19.7cm)
840401	SECUROS Mallet Lightweight	2 Replaceable Nylon Caps	7.5" (19.1cm)

Pin Cutters



CANNULATED PIN CUTTER



SIDE PIN CUTTER (TC)



STAINLESS STEEL PIN CUTTER



**LARGE PIN CUTTER WITH
DETACHABLE HANDLES**

ITEM #	PRODUCT	FEATURE	SIZE
840402	Cannulated Pin Cutter	End Cutting, Max. Capacity 0.062" (1.6mm)	7.5" (19cm) Length
840405	Side Pin Cutter Tungsten Carbide	Cuts up to 7/64"	9.25" (23.5cm) Length
840407	Stainless Steel Pin Cutter	Cuts up to 1/4"	18.5" (47cm) Length
001458	Stainless Steel Pin Cutter with Detachable Handles	Cuts up to 1/4"	18.5" (47cm) Length

Pin/Wire Cutters



5.75" PIN/WIRE CUTTER (TC)



7" PIN/WIRE CUTTER (TC)

ITEM #	PRODUCT	FEATURE	SIZE
840403	Pin/Wire Cutter Tungsten Carbide	Cuts up to 5/64"	5.75" (14.6cm) Length
840406	Pin/Wire Cutter Tungsten Carbide	Cuts up to 5/64"	7" (17.8cm) Length

Wire Cutters



ITEM #	PRODUCT	FEATURE	SIZE
840404	Wire Cutter Tungsten Carbide	Cuts up to 7/64"	8.75" (22cm) Length

Drill & Chucks



DUAL CHUCK ORTHOPEDIC PACK #001485
MINI DUAL CHUCK ORTHOPEDIC PACK #001486



DRILL SHROUD #001489



ORTHOPEDIC DRILL KIT #001483



MINI DUAL-CHUCK #001480



DUAL-CHUCK #001479

ITEM #	PRODUCT
001483	Orthopedic Drill Kit (Drill, Charger, Case)
001485	Dual-Chuck Orthopedic Pack - Drill, Chuck and Shroud
001486	Mini Dual-Chuck Orthopedic Pack - Drill, Chuck and Shroud
001479	SECUROS Dual Chuck with Key and Conversion Tool 3/8" Chuck
001480	SECUROS Mini Dual Chuck with Key and Conversion Tool 5/16" Chuck
001489	Drill Shroud

Pin & Wire Management



SECUROS carries a complete line of Pin & Wire Management products, including IM Pins, K-Wire, Pin Cutters, Wire Twisters and more.

SECUROS Steinmann pins feature a concave tip that leaves more room for bone chips. This results in less heat generation during drilling. All of SECUROS Steinmann pins, both Smooth and Partially Threaded, have this feature.

SECUROS also supplies orthopedic wire on 1oz autoclaveable wooden spools as well as double trocar K-wire, and IM Pin Starter Kits.

Cerclage Wire Passer



DOUBLE ENDED



CANNULATED

ITEM #	PRODUCT	FEATURE	SIZE
840413	Cerclage Wire Passer Stainless Steel	Cannulated, Double Ended	5.5" (14cm)
840414	Cerclage Wire Passer Stainless Steel	Cannulated, Single Ended	7" (17.8cm)

Wire & Pin Gauge/Ruler



ITEM #	PRODUCT	FEATURE
840415	Pin & Wire Gauge/Ruler	Stainless Steel

Bone Wire Guide



ITEM #	PRODUCT	SIZE
840416	Bone Wire Guide	8.75" (22.2cm)

Wire

ITEM #	PRODUCT	SPOOL
ORTHOPEDIC WIRE, STAINLESS STEEL, AUTOCLAVABLE		
		
001264	16 gauge/0.048"	1 oz. spool
001265	18 gauge/0.040"	1 oz. spool
001266	20 gauge/0.032"	1 oz. spool
001267	22 gauge/0.025"	1 oz. spool

Pin Bag



Pin Bag

Item#	Description
001488	IM Pin Bag, Autoclaveable Canvas

ITEM #	PRODUCT	SPOOL
DOUBLE TROCAR K-WIRE, STAINLESS STEEL		
		
002949	.035" x 9"	Pack of 6
002951	.045" x 9"	Pack of 6
002953	.054" x 9"	Pack of 6
002954	.062" x 9"	Pack of 6

Steinmann/Intermedullary Pins



Smooth IM Pin Starter Kit

Includes	Qty.
IM Pin Organizer Bag	1
Smooth IM Trocar/Trocar Pins	2 of each size
K-Wire Packs of 6: .035", .045" & .062"	1 of each size
1 oz Spools of 16 ga., 18 ga., 20 ga. & 22ga wire	1 of each size
Item#	Description
004021	Smooth IM Pin Starter Kit

Partially Threaded IM Pin Starter Kit

Includes	Qty.
IM Pin Organizer Bag	1
Partially Threaded IM Trocar/Trocar Pins	2 of each size
K-Wire Packs of 6: .035", .045" & .062"	1 of each size
1 oz Spools of 16 ga., 18 ga., 20 ga. & 22ga wire	1 of each size
Item#	Description
003175	Partially Threaded IM Pin Starter Kit



ITEM #	PRODUCT
SMOOTH: 9"	
001235	1/16" x 9" Trocar/Trocar
001236	5/64" x 9" Trocar/Trocar
001237	3/32" x 9" Trocar/Trocar
001238	7/64" x 9" Trocar/Trocar
001239	1/8" x 9" Trocar/Trocar
001240	9/64" x 9" Trocar/Trocar
001241	5/32" x 9" Trocar/Trocar
001242	3/16" x 9" Trocar/Trocar
SMOOTH: 12"	
001243	1/4" x 12" Trocar/Trocar



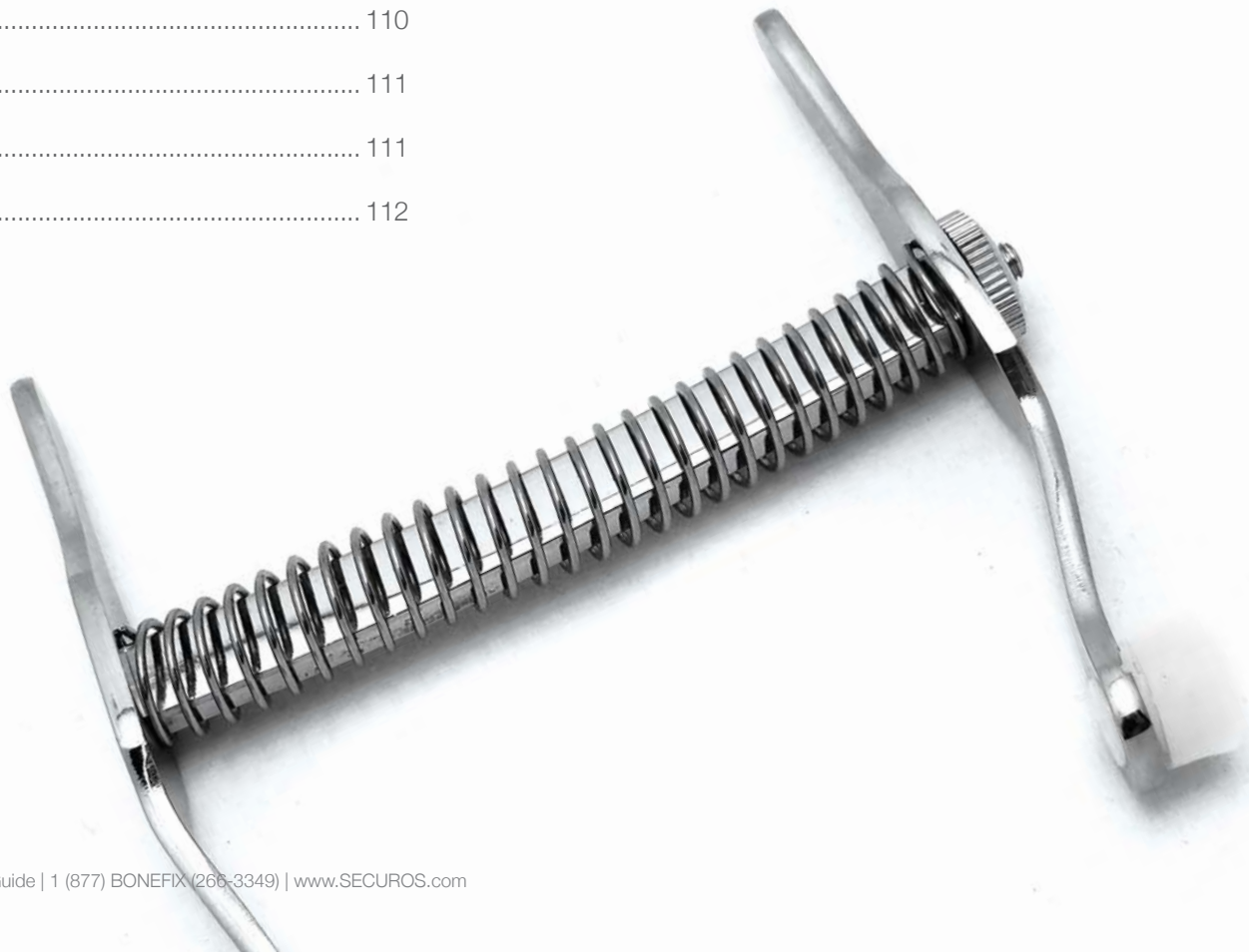
ITEM #	PRODUCT
PARTIALLY THREADED: 9"	
001257	1/16" x 9" Trocar/Trocar
001258	5/64" x 9" Trocar/Trocar
001259	3/32" x 9" Trocar/Trocar
001260	7/64" x 9" Trocar/Trocar
002956	1/8" x 9" Trocar/Trocar
002957	9/64" x 9" Trocar/Trocar
001261	5/32" x 9" Trocar/Trocar
001262	3/16" x 9" Trocar/Trocar
PARTIALLY THREADED: 12"	
001263	1/4" x 12" Trocar/Trocar

SECUROS

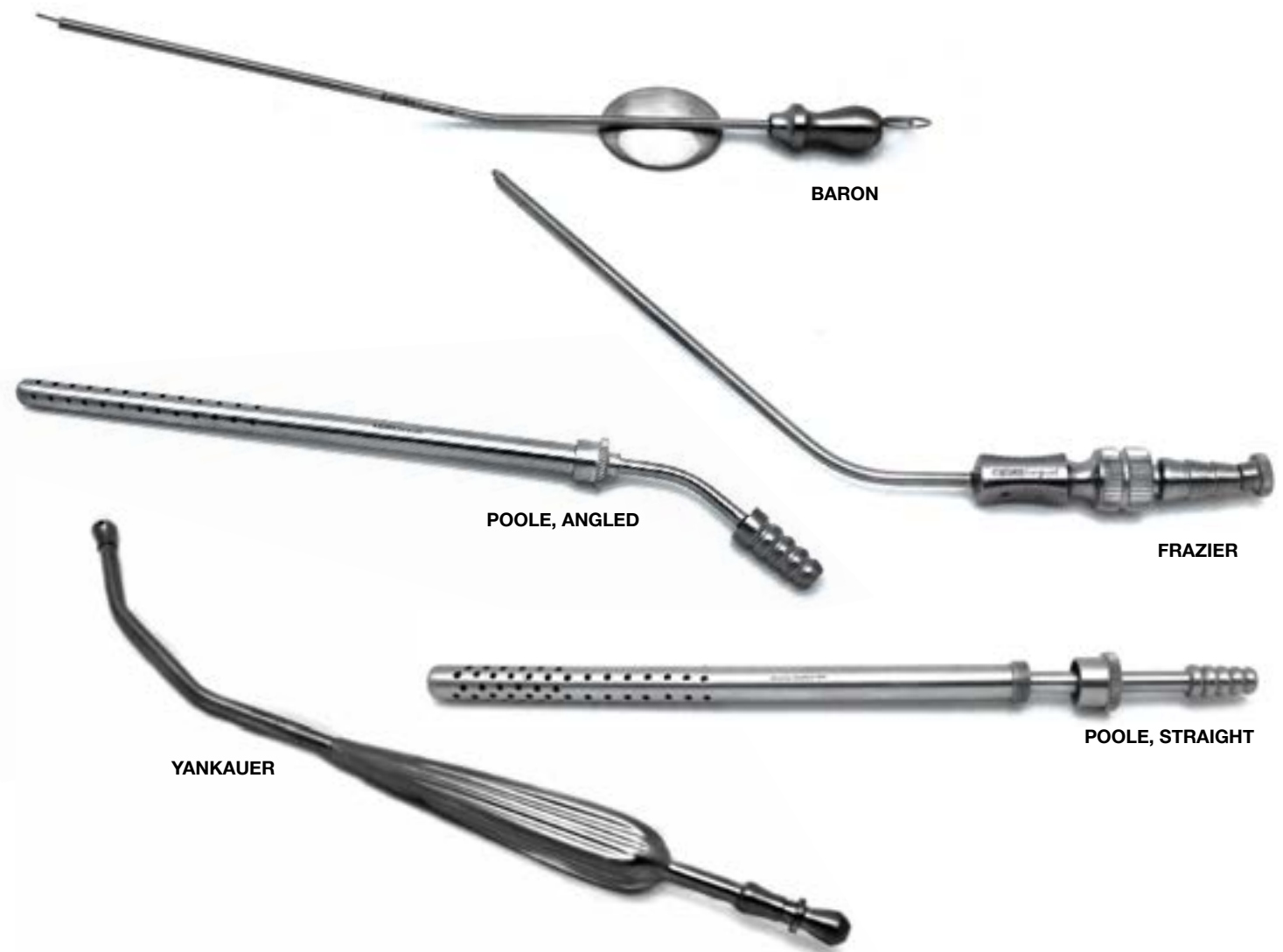
HOOKS PROBES

Miscellaneous

Suction Tubes.....	107	Finger Ring Cutters.....	112
Hooks.....	108	Cutaneous Punches.....	112
Nail Clippers.....	109	Ear Loops.....	113
Percussion Hammers.....	109	Ear Curettes.....	113
Young Tongue Forceps.....	109	Forceps.....	114
Directors.....	109	Disposable Punches.....	115
Probes.....	110	Stringers.....	115
Scoops.....	110		
Speculums.....	111		
Mouth Gags.....	111		
Tourniquets.....	112		



Suction Tubes



ITEM #	PRODUCT	FRENCH	SIZE
840417	Baron Suction Tube	Size 3 French	7.5" (18cm)
840418	Baron Suction Tube	Size 5 French	7.5" (18cm)
840419	Baron Suction Tube	Size 7 French	7.5" (18cm)
840420	Frazier Suction Tube Angled	Size 6 French	7.25" (18cm)
840421	Frazier Suction Tube Angled	Size 7 French	7.25" (18cm)
840422	Frazier Suction Tube Angled	Size 8 French	7.25" (18cm)
840423	Frazier Suction Tube Angled	Size 9 French	7.25" (18cm)
840424	Frazier Suction Tube Angled	Size 10 French	7.25" (18cm)
840425	Frazier Suction Tube Angled	Size 11 French	7.25" (18cm)
840426	Frazier Suction Tube Angled	Size 12 French	7.25" (18cm)
840427	Frazier Suction Tube Angled	Size 14 French	7.25" (18cm)
840428	Poole Suction Tube Angled	23 French	8.75" (22.2cm)
840429	Poole Suction Tube Straight	30 French	8.75" (22.2cm)
840430	Yankauer Suction Tube	with Removable Tip	11.75" (30cm)

Hooks



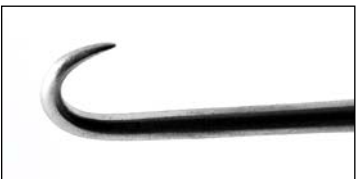
SNOOK



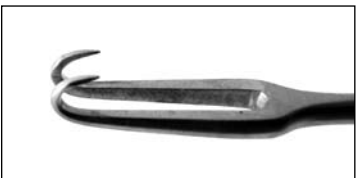
COVAULT OVARIECTOMY



GILLIES



JOSEPH, SHARP SINGLE PRONG



JOSEPH, DOUBLE PRONG



ITEM #	PRODUCT	FEATURE	SIZE
816370	Snook Hook	Blunt	8"
840431	Covault Ovariectomy Hook	Blunt	8"
840433	Gillies Hook	Small	8"
840434	Gillies Hook	Large	8"
840435	Joseph Hook	Sharp Single Prong	6" (15.2cm)
840436	Joseph Hook	Double Prong - 2mm Wide	6" (15.2cm)
840437	Joseph Hook	Double Prong - 5mm Wide	6" (15.2cm)

Nail Clippers



ITEM #	PRODUCT	SIZE
840432	White Toe Nail Clippers	4.5" (11.5cm)

Percussion Hammers



ITEM #	PRODUCT	SIZE
840438	Taylor Percussion Hammer	6.5" (16.5cm)
840439	Taylor Percussion Hammer	7.5" (19.1cm)

Young Tongue Forceps



YOUNG TONGUE



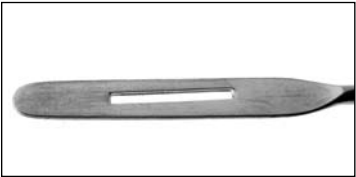
ITEM #	PRODUCT	SIZE
840440	Young Tongue Forceps	6.25" (15.8cm)

Directors



ITEM #	PRODUCT	SIZE
840441	Grooved Director	4.5" (11.5cm)
840442	Grooved Director	5" (12.7cm)
840443	Grooved Director	5.5" (14cm)
840444	Grooved Director	6" (15.2cm)

Probes



ITEM #	PRODUCT	SIZE
840445	Probe with Eye	4.5" (11.5cm)
840446	Probe with Eye	5" (12.7cm)
840447	Probe with Eye	5.5" (14cm)
840448	Probe with Eye	6" (15.2cm)
840449	Probe with Eye	8" (20.3cm)
840450	Probe with Eye	10" (25.4cm)
840451	Probe with Eye	12" (30.5cm)

Scoops



FERGUSON GALL STONE



MAYO COMMON DUCT



ITEM #	PRODUCT	FEATURE	SIZE
840452	Ferguson Gall Stone Scoop	Double Ended	9.5" (24.1cm) Small
840453	Ferguson Gall Stone Scoop	Double Ended	9.5" (24.1cm) Medium
840454	Ferguson Gall Stone Scoop	Double Ended	9.5" (24.1cm) Large
840455	Mayo Common Duct Scoop	Malleable	10.5" (26.7cm) Small
840456	Mayo Common Duct Scoop	Malleable	10.5" (26.7cm) Medium
840457	Mayo Common Duct Scoop	Malleable	10.5" (26.7cm) Large

Speculums

**KILLIAN****VIENNA**

ITEM #	PRODUCT	SIZE
840461	Killian Speculum	2" (5.1cm)
840462	Killian Speculum	3" (7.6cm)
840463	Killian Speculum	3.5" (8.9cm)
840458	Vienna Speculum	Small 5.75" (14.6cm)
840459	Vienna Speculum	Medium 5.75" (14.6cm)
840460	Vienna Speculum	Large 5.75" (14.6cm)

Mouth Gags

**3.0"****4.5"****5.75"****6.75"**

ITEM #	PRODUCT	FEATURE	SIZE
840464	Canine Spring Action Mouth Gag	Small, Lightweight	3.0"
840465	Canine Spring Action Mouth Gag	Medium	4.5"
840466	Canine Spring Action Mouth Gag	Large	5.75"
840467	Canine Spring Action Mouth Gag	X-Large	6.75"

Tourniquets



ITEM #	PRODUCT
840468	Nye Quick-Lock Tourniquet

Finger Ring Cutters



ITEM #	PRODUCT	FEATURE
840469	Finger Ring Cutter with Blade	With Chrome Plated Blade
840470	Finger Ring Cutter Blade	Chrome Plated, for use with #840469

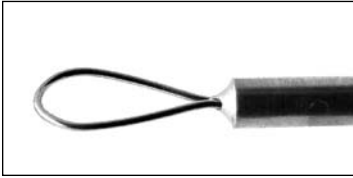
Cutaneous Punches



KEYES CUTANEOUS

ITEM #	PRODUCT	FEATURE	SIZE
840472	Keyes Cutaneous Punch	2mm Tip	4" (10.2cm)
840473	Keyes Cutaneous Punch	3mm Tip	4" (10.2cm)
840474	Keyes Cutaneous Punch	4mm Tip	4" (10.2cm)
840471	Keyes Cutaneous Punch	6mm Tip	4" (10.2cm)
840475	Keyes Cutaneous Punch	8mm Tip	4" (10.2cm)

Billeau Ear Loops



ITEM #	PRODUCT	FEATURE	SIZE
814650	Billeau Ear Loop	Small Flexible	6" (15.2cm)
840476	Billeau Ear Loop	Medium Flexible	6" (15.2cm)
840477	Billeau Ear Loop	Large Flexible	6" (15.2cm)

Buck Ear Currettes



BLUNT



SHARP



ITEM #	PRODUCT	FEATURE	SIZE
840478	Buck Ear Curette Straight Blunt	Size 00	6.5" (16.5cm)
840479	Buck Ear Curette Straight Blunt	Size 0	6.5" (16.5cm)
840480	Buck Ear Curette Straight Blunt	Size 1	6.5" (16.5cm)
840481	Buck Ear Curette Straight Blunt	Size 2	6.5" (16.5cm)
840482	Buck Ear Curette Straight Blunt	Size 3	6.5" (16.5cm)
840483	Buck Ear Curette Straight Sharp	Size 00	6.5" (16.5cm)
840484	Buck Ear Curette Straight Sharp	Size 0	6.5" (16.5cm)
840485	Buck Ear Curette Straight Sharp	Size 1	6.5" (16.5cm)
840486	Buck Ear Curette Straight Sharp	Size 2	6.5" (16.5cm)
840487	Buck Ear Curette Straight Sharp	Size 3	6.5" (16.5cm)

Forceps



BUNT FORCEPS HOLDER



HARTMAN ALLIGATOR, SERRATED



HARTMAN ALLIGATOR, ROUND CUP JAWS



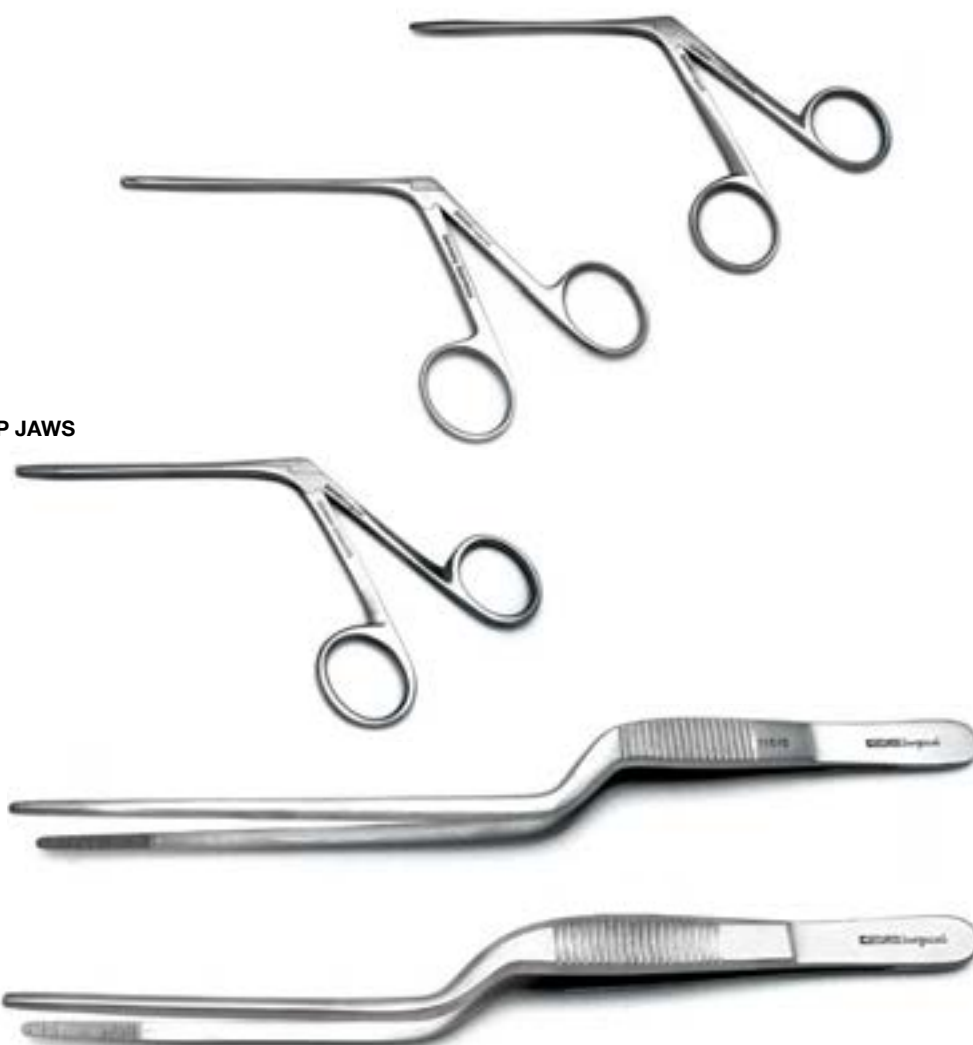
HARTMAN ALLIGATOR, 1X2 TEETH



JANSEN BAYONET



LUCAE



ITEM #	PRODUCT	FEATURE	SIZE
840505	Bunt Forceps Holder	6/pkg.	
840490	Hartmann Alligator Forceps	Serrated Jaw	3.5" (8.9cm)
840491	Hartmann Alligator Forceps	Serrated Jaw	5.5" (14cm)
840492	Hartmann Alligator Forceps	Serrated Jaw	6.5" (16.5cm)
840493	Hartmann Alligator Forceps	Round Cup Jaws	2.5" (8.9cm)
840494	Hartmann Alligator Forceps	1x2 Teeth	3.5" (8.9cm)
840489	Jansen Bayonet Forceps		6.5" (16.5cm)
840488	Lucae Forceps		5.75" (14.6cm)

Disposable Biopsy Punches



ITEM #	PRODUCT	FEATURES	SIZE
840501	Disposable Biopsy Punch	1.5mm, Box of 50	4"
840495	Disposable Biopsy Punch	2mm, Box of 50	4"
840496	Disposable Biopsy Punch	3mm, Box of 50	4"
840497	Disposable Biopsy Punch	4mm, Box of 50	4"
840498	Disposable Biopsy Punch	5mm, Box of 50	4"
840499	Disposable Biopsy Punch	6mm, Box of 50	4"
840500	Disposable Biopsy Punch	8mm, Box of 50	4"
840502	Disposable Biopsy Punch Pack	Assorted Sizes, Box of 50	4"

Stringers



END-GATE



T-SHAPED

ITEM #	PRODUCT	SIZE
840504	End-Gate Stringer	4" x 2.5"
840503	T-Shaped Stringer	6"

SECUROS EYE PACKS Ophthalmic

Eye Packs.....	117
Forceps.....	118-119, 121-123
Needle Holders.....	118-119
Speculums.....	120
Retractors.....	121
Eye Dressing Forceps.....	121
Iris Tissue Forceps.....	122
Jeweler's Forceps.....	123
Desmarres Chalazion Forceps.....	123



Eye Packs



STARTER EYE PACK

German Starter Eye Pack

Item #840690

Includes	Qty.
840130 Derf Needle Holder 4.75"	1
840513 Bishop-Harmon Forceps 3.25" , 1X2 Teeth Delicate	1
840522 Barraquer Wire Eye Speculum 1.25"	1
840016 Stevens Tenotomy Scissors, Curved 4.25"	1

VetOne Starter Eye Pack

Item #840691

Includes	Qty.
659011 Derf Needle Holder 4.75"	1
659008 Bishop-Harmon Forceps 1X2 teeth, 3.5" Delicate	1
659017 Barraquer Wire Eye Speculum 1.25"	1
659009 Stevens Tenotomy Scissors, Curved 4.5"	1



STARTER EYE PACK WITH CASE

VetOne Starter Eye Pack with Case

Item #840692

Includes	Qty.
659011 Derf Needle Holder 4.75"	1
659008 Bishop-Harmon Forceps 1X2 teeth, 3.5" Delicate	1
659017 Barraquer Wire Eye Speculum 1.25"	1
659009 Stevens Tenotomy Scissors, Curved 4.5"	1
840770 Sterilization Case w/ Mat	1



ADVANCED EYE PACK

German Advanced Eye Pack

Item #840693

Includes	Qty.
001310 Micro Blade Handle	1
840513 Bishop-Harmon Forceps, 1X2 teeth 3.25" delicate	1
840534 Desmarres Chalazion Forceps, 20mm wide, 3.5"	1
840016 Stevens Tenotomy Scissors, Curved	1
840522 Barraquer Wire Eye Speculum 1.25"	1
840163 Castroviejo Needle Holder with lock smooth jaw 5.5"	1
001312 Microbeaver Blade Size 6700 bx of 12	1

VetOne Advanced Eye Pack

Item #840694

Includes	Qty.
001310 Micro Blade Handle	1
659008 Bishop-Harmon Forceps, 1X2 teeth 3.25" delicate	1
659016 Desmarres Chalazion Forceps, 20mm wide, 3.5"	1
659009 Stevens Tenotomy Scissors, curved	1
659017 Barraquer Wire Eye Speculum 1.25"	1
659010 Castroviejo Needle Holder with lock smooth jaw 5.5"	1
001312 Microbeaver Blade Size 6700 bx of 12	1



ADVANCED EYE PACK WITH CASE

VetOne Advanced Eye Pack with Case

Item #840695

Includes	Qty.
001310 Micro Blade Handle	1
659008 Bishop-Harmon Forceps, 1X2 teeth 3.25" delicate	1
659016 Desmarres Chalazion Forceps, 20mm wide, 3.5"	1
659009 Stevens Tenotomy Scissors, curved	1
659017 Wire Eye Speculum 1.25"	1
659010 Castroviejo Needle Holder with lock smooth jaw 5.5"	1
001312 Microbeaver Blade Size 6700 bx of 12	1
840770 Sterilization Case w/ Mat	1

Forceps & Needle Holders



TROUTMAN-BARRAQUER



GRAEFE FIXATION



GRAEFE FIXATION WITH CATCH



BISHOP-HARMON EXTRA DELICATE

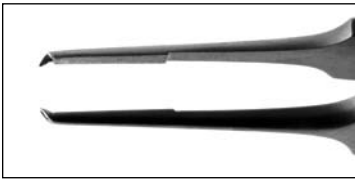


BISHOP-HARMON DELICATE

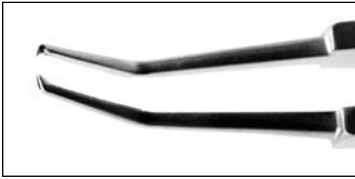


ITEM #	PRODUCT	FEATURE	SIZE
840507	Troutman-Barraquer Colibri Corneal Forceps	1x2 0.4mm Teeth with Tying Platform	3" (7.6cm)
840508	Troutman-Barraquer Colibri Corneal Forceps	1x2 .12mm Teeth with Tying Platform	3" (7.6cm)
840509	Graefe Fixation Forceps	4.5mm wide, fine teeth	4.25" (11.2cm)
840510	Graefe Fixation Forceps	4.5mm wide, fine teeth, with catch	4.25" (11.2cm)
840511	Bishop-Harmon Forceps	Extra Delicate Serrated Jaws	3.5" (8.9cm)
840512	Bishop-Harmon Forceps	Delicate Serrated Jaws	3.5" (8.9cm)
840513	Bishop-Harmon Forceps	1x2 Teeth Delicate	3.25" (8.2cm)

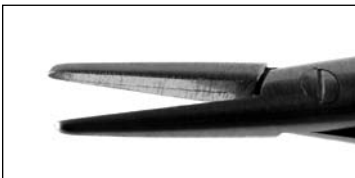
Forceps & Needle Holders



CASTROVIEJO SUTURING, STRAIGHT



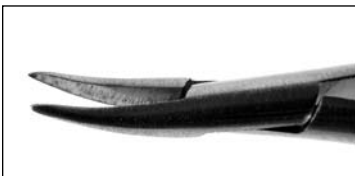
CASTROVIEJO SUTURING, CURVED



CASTROVIEJO NEEDLE HOLDER, STANDARD



CASTROVIEJO NEEDLE HOLDER, STRAIGHT, TC



BARRAQUER NEEDLE HOLDER, CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840514	Castroviejo Suture Forceps	Straight, 0.6mm tip with tying platform	4.125" (10.5cm)
840515	Castroviejo Suture Forceps	Curved, 0.6mm tip with tying platform	4.125" (10.5cm)
840163	Castroviejo Needle Holder	Straight, Smooth Jaws with Lock	5.5" (14cm)
840164	Castroviejo Needle Holder	Straight, Smooth Tungsten Carbide Jaws with Lock	5.5" (14cm)
816420	Barraquer Needle Holder	Straight, Smooth Jaws with Lock	5.5" (14cm)
816400	Barraquer Needle Holder	Curved, Smooth Jaws with Lock	5.5" (14cm)

Speculums



BARRAQUER



CASTROVIEJO



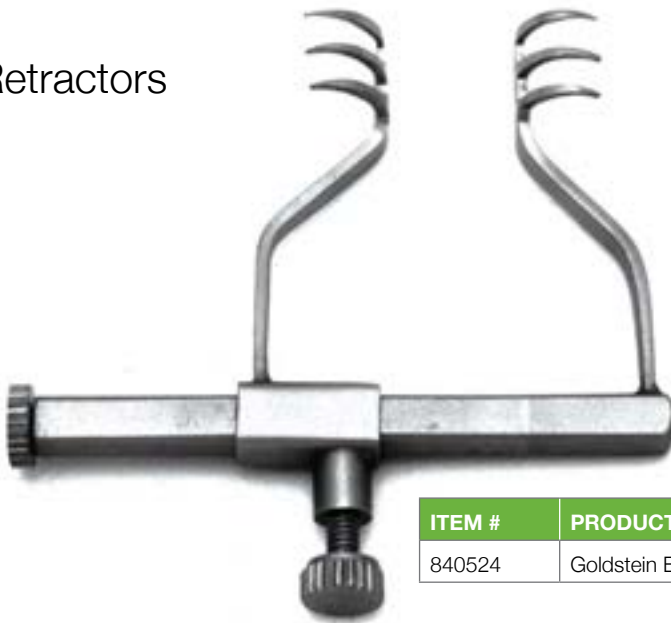
GRAEFE



LANCASTER

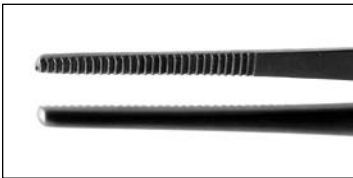
ITEM #	PRODUCT	SIZE
840522	Barraquer Eye Speculum (Colibri)	1.25" (3.1cm)
840523	Barraquer Eye Speculum (Colibri)	1.5" (3.8cm)
840521	Castroviejo Eye Speculum	3.75" (8.2cm)
840520	Graefe Eye Speculum	3.5" (8.9cm)
840519	Lancaster Eye Speculum	2.75" (7cm)

Retractors

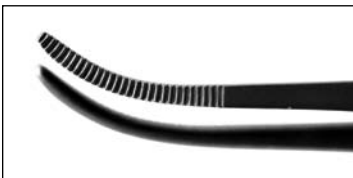


ITEM #	PRODUCT	SIZE
840524	Goldstein Eye Retractor	1.25" (3.1cm)

Eye Dressing Forceps



STRAIGHT



HALF CURVED

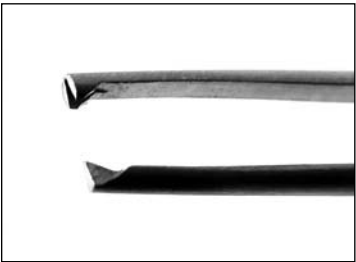


FULL CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840525	Eye Dressing Forceps	Straight, Serrated Tips	4" (10.2cm)
840526	Eye Dressing Forceps	Half Curved, Serrated Tips	4" (10.2cm)
840527	Eye Dressing Forceps	Full Curved, Serrated Tips	4" (10.2cm)

Iris Tissue Forceps



STRAIGHT



HALF CURVED



FULL CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840528	Iris Tissue Forceps	Straight 1x2 Teeth	4" (10.2cm)
840529	Iris Tissue Forceps	Half Curved 1x2 Teeth	4" (10.2cm)
840530	Iris Tissue Forceps	Full Curved 1x2 Teeth	4" (10.2cm)

Jeweler's Forceps



FINE POINTS, ANGLED PICK-UP



SHARP POINTS, CURVED



ITEM #	PRODUCT	FEATURE	SIZE
840531	Jeweler's Forceps #5 Swiss Style	Fine Points, Angled Pick-Up	4.5" (11.5cm)
840532	Jeweler's Forceps #7 Swiss Style	Sharp Points, Curved	4.75" (12.1cm)

Desmarres Chalazion Forceps



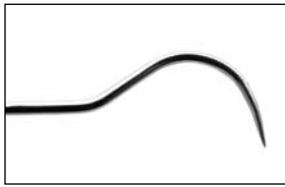
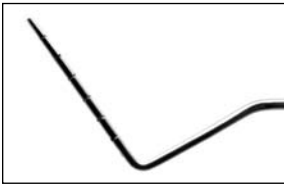
ITEM #	PRODUCT	FEATURE	SIZE
840533	Desmarres Chalazion Forceps	16mm Wide	3.5" (8.9cm)
840534	Desmarres Chalazion Forceps	20mm Wide	3.5" (8.9cm)
840535	Desmarres Chalazion Forceps	24mm Wide	3.5" (8.9cm)

SECUROS Dental Instruments

Probes & Explorers	125	Elevators	129
Scalers	125	Elevators & Picks	130
Curettes	126-127	Extracting Forceps	131-132
Dental Instrument Pack	126	Chisels	133
Mirrors	128	Files	133



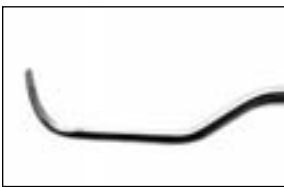
Probes & Explorers



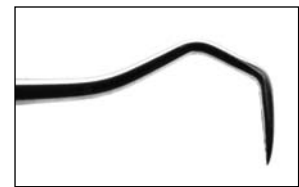
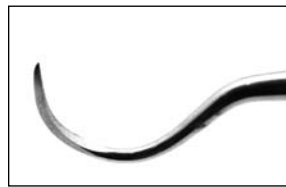
PROBE/EXPLORER HANDLE

ITEM #	PRODUCT
840536	Probe/Explorer Double Ended 3, 6, 9, 12mm markings

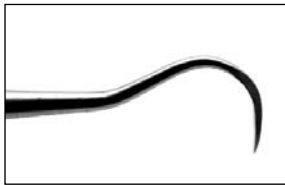
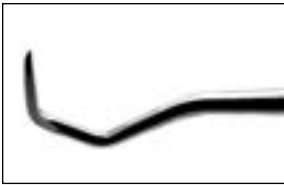
Scalers



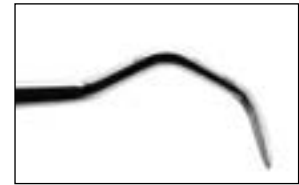
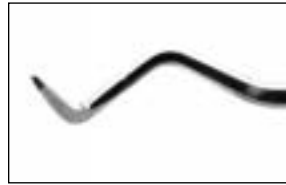
SCALER H 6/7



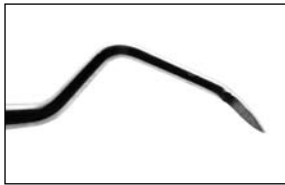
JACQUETTE SCALER 33/U15



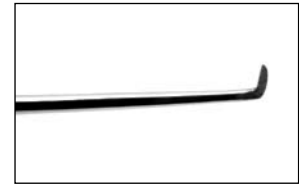
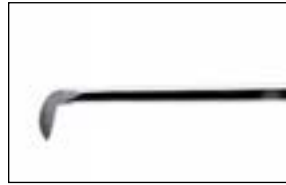
JACQUETTE SCALER 33/H5



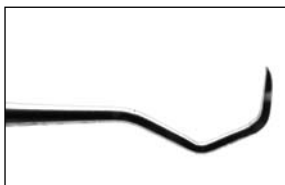
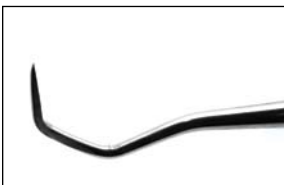
JACQUETTE SCALER 2S/3S



JACQUETTE SCALER 2/3



MORSE SCALER 0-00



JACQUETTE SCALER 20/33



SCALER HANDLE

ITEM #	PRODUCT
840539	Scaler H 6/7
840537	Jacquette Scaler 33/H5
840540	Jacquette Scaler 2/3
840541	Jacquette Scaler 20/33
840542	Jacquette Scaler 33/U15
840543	Jacquette Scaler 2S/3S
840538	Morse Scaler 0-00

Curettes

ITEM #	PRODUCT
840544	Gracey Curette 1/2
840545	Gracey Curette 3/4
840546	Gracey Curette 5/6
840547	Gracey Curette 7/8
840548	Gracey Curette 9/10
840549	Gracey Curette 11/12
840550	Gracey Curette 13/14
840551	Gracey Curette 15/16
840552	Gracey Curette 17/18
840553	Gracey Curette 11/14
840554	Gracey Curette 12/13
840555	Columbia Curette 13/14
840556	McCalls Curette 11/14
840557	McCalls Curette 13/14
840558	McCalls Curette 17/18
840559	Hirschfeld File 3-7
840560	Hirschfeld File 5-11
840561	Hirschfeld File 9-10
840598	Lucas Curette No. 85 Angular, Small
840599	Lucas Curette No. 86 Angular, Medium
840600	Lucas Curette No. 87 Angular, Large

Periodontal Instrument Pack

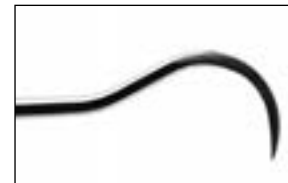


Periodontal Instrument Pack Item #810002

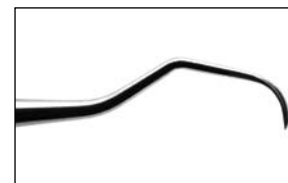
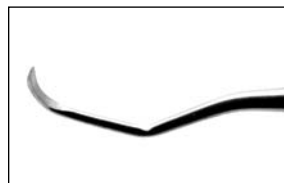
Includes	Qty.
840566 Dental Laryngeal Mirror Size #4 22mm	1
840565 Dental Laryngeal Mirror Size #3 20mm	1
840536 Periodontal Explorer Double Ended	1
840537 Jacquette Scaler #33-H5	1
840538 Morse Scaler #0-00	1
840555 Columbia Curette #13/14	1
840544 Gracey Curette #1/2	1
003731 Test Stick 75mm	1
003733 Sharpening Stone #299	1
003575 Sharpening Stone Arkansas	1
002751 Cleaning/Storage Cassette, with mat	1



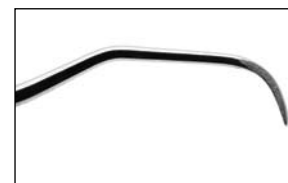
CURETTE HANDLE



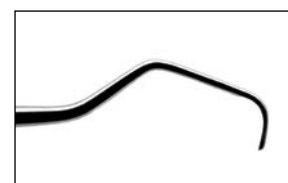
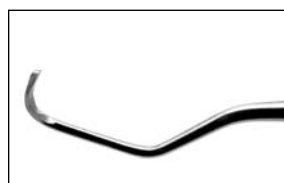
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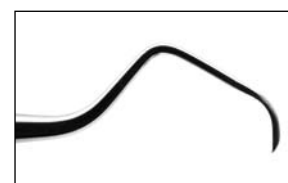
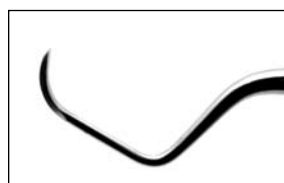
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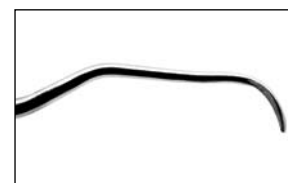
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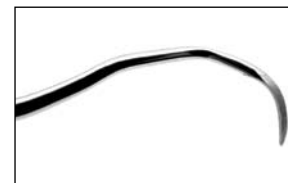
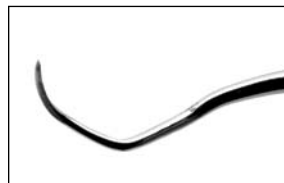
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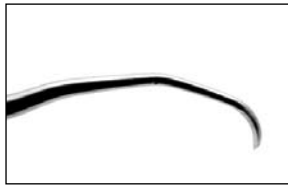
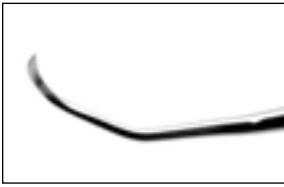
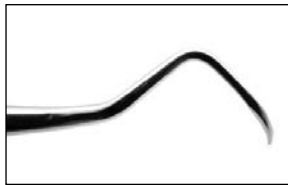
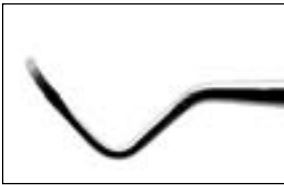
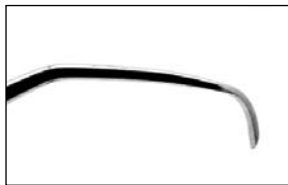
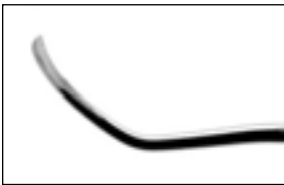
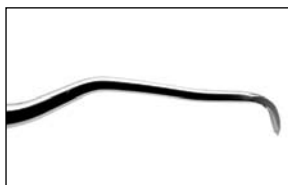
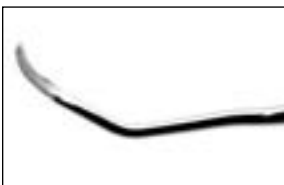
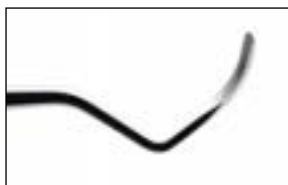
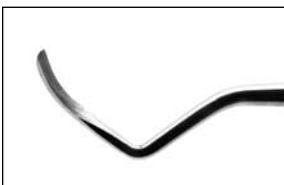
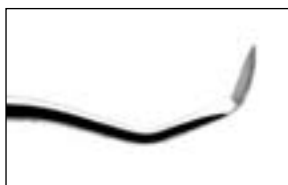
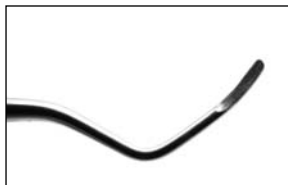
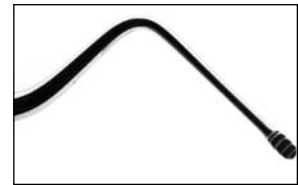
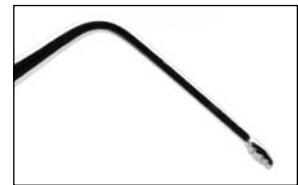
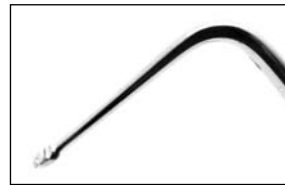
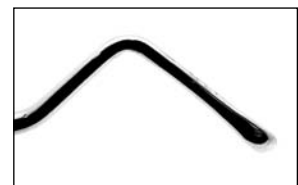
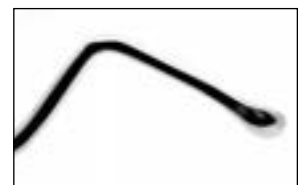
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Mirrors



ITEM #	PRODUCT	FEATURE
840562	Dental Laryngeal Mirror	Size 0, 12mm
840563	Dental Laryngeal Mirror	Size 1, 16mm
840564	Dental Laryngeal Mirror	Size 2, 18mm
840565	Dental Laryngeal Mirror	Size 3, 20mm
840566	Dental Laryngeal Mirror	Size 4, 22mm
840567	Dental Laryngeal Mirror	Size 5, 24mm
840568	Dental Laryngeal Mirror	Size 6, 26mm



Elevators



LUXATING, CURVED



LUXATING, STRAIGHT



WINGED TIP



APICAL



34S ELEVATOR



MOLT #9 PERIOSTEAL

ITEM #	PRODUCT	SIZE
840569	Luxating Elevator Curved Tip 2mm	5.75"
840570	Luxating Elevator Curved Tip 3mm	5.75"
840571	Luxating Elevator Curved Tip 4mm	5.75"
840572	Luxating Elevator Curved Tip 5mm	5.75"
840573	Luxating Elevator Straight Tip 2mm	5.75"
840574	Luxating Elevator Straight Tip 3mm	5.75"
840575	Luxating Elevator Straight Tip 4mm	5.75"
840576	Luxating Elevator Straight Tip 5mm	5.75"
840577	Winged Tip Elevator 2mm	4.75"
840578	Winged Tip Elevator 3mm	4.75"
840579	Winged Tip Elevator 4mm	4.75"
840580	Winged Tip Elevator 5mm	4.75"

ITEM #	PRODUCT	SIZE
840581	Winged Tip Elevator 6mm	4.75"
840582	Winged Tip Elevator 7mm	4.75"
840583	Winged Tip Elevator 8mm	4.75"
840584	301 Apical Elevator	5.75"
840585	302 Apical Elevator	5.75"
840586	303 Apical Elevator	5.75"
840587	34 Elevator	6"
840588	34S Elevator	6"
840589	46 Elevator	5.75"
840597	Molt #9 Periosteal Elevator	5.75"

Elevators & Picks



78 ROOT TIP, STRAIGHT



79 ROOT TIP, CURVED RIGHT



80 ROOT TIP, CURVED LEFT



HEIDBRINK ROOT, STRAIGHT



HEIDBRINK ROOT, LEFT



HEIDBRINK ROOT, DOUBLE ENDED



HEIDBRINK ROOT, RIGHT

ITEM #	PRODUCT	SIZE
840590	78 Root Tip Elevator	6.0"
840591	79 Root Tip Elevator Curved Right	5.5"
840592	80 Root Tip Elevator Curved Left	5.5"
840593	Heidbrink Root Tip Pick Delicate, Straight	5.25"
840594	Heidbrink Root Tip Pick Delicate, Left	5.25"
840595	Heidbrink Root Tip Pick Delicate, Double Ended	7.75"
840596	Heidbrink Root Tip Pick Delicate, Right	5.25"

Extracting Forceps



UNIVERSAL 17S



UNIVERSAL 150S



UNIVERSAL 151S

ITEM #	PRODUCT	FEATURE	SIZE
840601	Universal Extracting Forceps	17S	4.5" (11.4cm)
840602	Universal Extracting Forceps	150S	4.5" (11.4cm)
840603	Universal Extracting Forceps	151S	4.5" (11.4cm)

Extracting Forceps



STANDARD #1



STANDARD #62



STANDARD #150



STANDARD #151

ITEM #	PRODUCT	FEATURE	SIZE
840604	Standard Extracting Forceps	#1	6.5" (16.5cm)
840605	Standard Extracting Forceps	#62	6.5" (16.5cm)
840606	Standard Extracting Forceps	#150	6.5" (16.5cm)
840607	Standard Extracting Forceps	#151	6.5" (16.5cm)

Chisels



OCHSENBEIN CHISEL #1



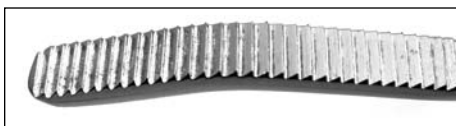
OCHSENBEIN CHISEL #2

ITEM #	PRODUCT
840613	Ochsenbein Chisel #1
840614	Ochsenbein Chisel #2

Files



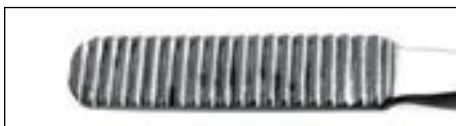
BONE FILE HANDLE



BONE FILE #10



BONE FILE #33



BONE FILE #64



BONE FILE #45



BONE FILE #12



ITEM #	PRODUCT	FEATURE	SIZE
840608	Bone File No. 10	Double Ended	7" (17.8cm)
840609	Bone File No. 33	Double Ended	7" (17.8cm)
840610	Bone File No. 64	Double Ended	7" (17.8cm)
840611	Bone File No. 45	Double Ended	7" (17.8cm)
840612	Bone File No. 12	Double Ended	7" (17.8cm)

SECUROS Instrument Packs & Storage

Orthopedic Instrument Pack..... 135

Spay Packs 136

General Surgery Pack..... 135

Storage..... 137



Orthopedic Instrument Pack



Orthopedic Instrument Pack

Item #810006

Includes		Qty.
815750	Senn Retractors Sharp 6.25"	2
808700	Weitlaner Retractor 5.5" sharp	1
815540	Pair Gigli Saw Handles	1
840349	Gigli Wire Saw 12"	1
840321	Kern Bone Holding Forceps 5.75"	1
840322	Kern Bone Holding Forceps 8.5"	1
813670	Mead Mallet	1
002745	Bone Curette 2mm	1
001277	K-Wires .035 pk of 6	1
001278	K-Wires .045 pk of 6	1
001257	1/16" x 9" Partially Threaded Pins	2
002957	9/64" x 9" Partially Threaded Pins	2
001260	7/64" x 9" Partially Threaded Pins	2
001261	5/32" x 9" Partially Threaded Pins	2
001259	3/32" x 9" Partially Threaded Pins	2
001258	5/64" X 9" Partially Threaded Pins	2
840257	Osteotome 8mm 5"	1
001488	IM Pin Organizer Bag	1
001479	Dual Chuck Hand Chuck	1
840011	Roger Wire Cutting Scissors 4.75"	1
840402	Cannulated Pin Cutter 7.5"	1
840391	Wire Twister with hole 6"	1
840224	Dean Rongeur Single Action 5.75"	1
001266	Orthopedic Wire 20 Gauge 1oz spool	1
001267	Orthopedic Wire 22 Gauge 1oz spool	1
840352	Fomon Rasp and File 8.5"	1
840292	Freer Elevator 7.5"	1

General Surgery Pack



General Surgery Pack

Item #810004

Includes		Qty.
830026	Scalpel No. 3	1
801210	Mayo Dissecting Scissors 6.75" straight	1
802230	Metzenbaum Scissors (Nelson) 7" curved	1
804930	Adson-Brown Forceps 7x7 teeth, side grasp	1
805570	Halsted Mosquito Forceps 5" curved	3
806470	Rochester Carmalt Forceps 6.25" curved	4
816370	Snook Hook	1
805760	Kelly Forceps 5.5" straight	2
815940	Backhaus Towel Clamp 5.25"	4
810010	Olsen-Hegar Needle Holder TC 6.5"	1
003749	Instrument Case 380mm x 212mm x 30mm	1
003760	Mat 10" x 18" Base	1

Canine Spay Pack



Canine Spay Pack

Item #810001

Includes		Qty.
830026	Scalpel Handle No. 3	1
801210	Mayo Dissecting Scissors 6.75" straight	1
802230	Metzenbaum Scissors (Nelson) 7" curved	1
804930	Adson-Brown Forceps 7x7 teeth, Side Grasp 4.75"	1
805570	Halsted Mosquito Forceps 5" curved	4
806470	Rochester Carmalt Forceps 6.25" curved	2
816370	Snook Hook	1
815920	Backhaus Towel Clamp 3.5"	4
840101	Allis Tissue Forceps 4x5 teeth 4.75"	1
840049	Thumb Tissue Forceps 1x2 teeth 5.5"	1
805780	Kelly Forceps 5.5" straight	2
810010	Olsen-Hegar Needle Holder TC 6.5"	1
003749	Instrument Case 380mm x 212mm x 30mm	1
003760	Mat 10" x 18" Base	1

Feline Spay Pack

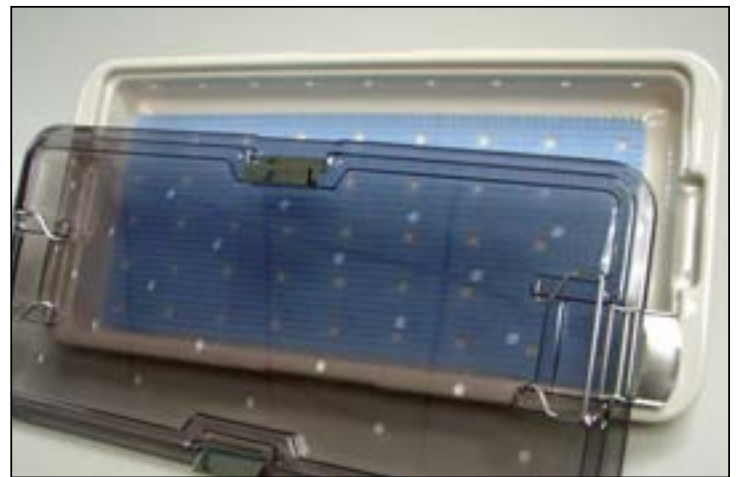


Feline Spay Pack

Item #810003

Includes		Qty.
830026	Scalpel Handle No. 3	1
801210	Mayo Dissecting Scissors 6.75" straight	1
802230	Metzenbaum Scissors (Nelson) 7" curved	1
804930	Adson-Brown Forceps 7x7 teeth, side grasp 4.75"	1
805570	Halsted Mosquito Forceps 5" curved	2
806470	Rochester Carmalt Forceps 6.25" curved	2
816370	Snook Hook	1
815920	Backhaus Towel Clamp 3.5"	4
803380	Allis Tissue Forceps 4x5 teeth 6"	1
840049	Thumb Tissue Forceps 1x2 teeth 5.5"	1
805760	Kelly Forceps 5.5" straight	2
809970	Olsen-Hegar Needle Holder TC 5.5"	1
003749	Instrument Case 380mm x 212mm x 30mm	1
003760	Mat 10" X 18" Base	1

Sterilization Trays



ITEM #	PRODUCT	DESCRIPTION
001003	Small Sterilization Tray	1.75" x 2.75" Stainless Steel, 3/8" high
001330	7" x 11" Single Level 1.36"	Plastic Lid, Base, Mat
001332	3/4" Size Complete System 2"	Plastic Lid, Base, Mat
001331	Full Size Complete System	2.75" H x 21" L x 10.5" W, Plastic Lid, Base, Mat
001005	Stainless Steel Perforated Tray	12.25" x 7.75" x 2.25"
000513	Stainless Steel Perforated Tray	10" x 6.5" x 2"
001006	Stainless Steel Perforated Tray	9 7/8" x 5" x 2"
003760	Mat Base 10" x 18"	Plastic Base for Trays
003828	Mat Base 6" x 9"	Plastic Base for Trays
003749	Instrument Case	380mm x 212mm x 30mm, Stainless Steel Case, Plastic Mat
002751	Periodontal Cleaning/Storage Cassette	8" x 4.75", Stainless Steel Case, Plastic Mat
840770	Surgical Instrument Case	6" x 3", Plastic Lid, Base, Mat

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This information in this catalog is presented only as a reference, and is subject to change at any time. No reference to any name is intended as a suggestion to violate any trademark or patent.

[illegible]

[illegible]



SECUROS Instrument Work Order

Upon receipt at SECUROS expect 5-7 days turnaround time, unless otherwise specified.

Complete the following information and include form & instruments in your return box.

SECUROS Customer Service Fax #: (508) 347-5330 | Phone #: (877) 266-3349 | Email: repairs@securos.com

Hospital Name: _____

Hospital Account#: _____ Contact Name: _____

Address: _____

City, State, & Zip Code: _____

Phone: _____ Return Authorization #: _____

Fax: _____ Email: _____

General Instrument Repair Instructions

- Please call SECUROS Customer Service about any instrument repairs not on this list.
- If sending in multiple instruments, please label each instrument for the desired service.

Instrument Description	Qty.	Notes
Sharpening: Scissors, Size 3.5" to 5.5"		
Sharpening: Scissors, Size 6" to 10"		
Sharpening: Micro Scissors, All Sizes		
Sharpening: Misc. Scissors		
Sharpening: Dental Elevators		
Sharpening: Clipper Blades		
Realignment: Forceps		
Realignment, Major: Scissors		
Refinishing, Major: Surfacing		
Repair: Needle Holder & Hemostat		
Replacement Inserts: Needle Holder		
ColorDot (color-coded permanent plugs)**		
Replacement Screw		
Other, please specify		

Shipping Requirements

1. Clean and sterilize all instruments prior to shipping. (OSHA regulations require all instruments be shipping in sterilized pouches).
2. Wrap any sharp instruments with extra padding to prevent damage in shipping.
3. Individually wrap all clipper blades to ensure they don't break during shipping.
4. Please include a copy of this paper work with the packed instruments.
5. Please request a Return Authorization # from SECUROS (877-266-3349) prior to sending in.

** Please designate color choice on tag: white/red/orange/yellow/green/blue/purple/brown/black/pink/light blue

SECUROS Ordering Worksheet Date _____ SR _____ Order # _____

Name _____ **SHIP TO ADDRESS** (if different from billing)

Clinic _____ Clinic _____

Address _____ Address _____

City _____ State _____ City _____ State _____

Country _____ Zip _____ Country _____ Zip _____

Phone _____ Phone _____

Fax _____ **DELIVERY REQUIREMENTS** (International Rates Vary)

Email (for tracking packages) _____

Show Name _____ Lab Name _____

[illegible]

Customer Acct _____

Merchandise Subtotal	
Shipping	
TOTAL INVOICED	

FOR OFFICE USE ONLY

- ☐ Pins & Wires
 ☐ TPLO
 ☐ ESF
 ☐ Cruciate
 ☐ Internal
 ☐ Bone Anchors
 ☐ Hip
 ☐ TTA



Credit Department Phone: (877) 261-1086

Fax: (208) 955-8913

Payment Remittance & Billing Inquiries:

P.O. Box 5717

Boise, ID 83705

Express Account Application

Account
Code

Account Information

Practice Name

Customer's Name

Mailing Address

Phone

City

State

Zip

Fax

Shipping Address (if different than mailing)

County

City

State

Zip

☐ In City
Limits☐ Out of
City LimitsState Veterinary License Number
(IF APPLICABLE)

Social Security Number

Federal Tax ID No.

Type of Business

- | | | |
|--------------------------------------|----------------------------------|-------------------------------------|
| ☐ Corporation | ☐ Limited | ☐ LLC |
| ☐ Partnership | ☐ LLP | ☐ Individual |

Contact Preferences

Primary contact person: _____

Email: _____

Secondary contact person: _____

Email: _____

Practice Type (Please check all that apply)

☐ Distributor ☐ Hospital/Clinic ☐ Small Animal ☐ Equine☐ Other _____**Fax Updates:**

To subscribe to periodic fax updates about price increases, new product info, specials, product shortages, rebates and more, please complete the following:

- | | |
|--|---|
| ☐ I authorize Securos to send faxes
& specials to my practice. | ☐ Only fax information
upon my request. |
|--|---|

Fax number (if different from above)

X

Signature (REQUIRED)

Date

Printed Name

Title

Required Documents

- ☐ State Veterinary License (If Applicable)
- ☐ State Sales Tax Exemption Certificate (Securos must charge sales tax unless Securos has a copy of your Exemption Certificate with Tax Classification Sheet)

Agreement

By signing and submitting this application, I agree on behalf of both the undersigned and the applicant (1) that the statements in this application are true and complete; (2) to inform Securos in writing of any changes in the name, address, telephone number or financial condition of the undersigned or applicant as soon as the changes occur; (3) to comply with Securos' standard Terms of Sale set forth on the reverse of, or linked to, this application; (4) TO PAY INVOICES WHEN DUE; (5) to pay interest not to exceed 1.50% per month (compounded monthly) (an annual percentage rate of 18%) on past due accounts; (6) to pay reasonable attorney fees and court costs if the account is referred to an attorney for collection; (7) that Securos is authorized from time to time to investigate and update information that I provide and to obtain credit and other information about me from other creditors and credit reporting agencies, and to provide information about me to other creditors; (8) that Securos may decline this application to open an account or for credit; (9) that once Securos has opened an account or granted credit, Securos may close the account or terminate the credit at Securos' sole discretion; (10) that after notifying me Securos may change its Terms of Sale and its credit and collection policies, and that the changes will apply to all transactions and any account balances regardless whether any purchases or account entries occurred before or after the effective date of the change; and (11) that Securos may file at any time UCC financing statements to perfect Securos' security interest. Securos is a division of MWI Veterinary Supply Co., an Idaho corporation. Any reference to Securos in this Terms of Sale is a reference to MWI and its affiliates.

X
Signature of applicant (REQUIRED) _____ Date _____

Print Name _____

X
Signature of Veterinarian submitting license _____ Date _____

Print Name _____

Personal Guaranty by Financially Responsible Party

If applicant for credit is doing business in a form other than as an individual, then a principal of the applicant, by signing below, agrees (1) to personally, absolutely and unconditionally guarantee and promise to pay to Securos all obligations owed to Securos by applicant, now existing or hereafter incurred, including but not limited to all purchases, interest, attorney fees and costs; (2) that Securos may seek payment from the guarantor without first seeking payment or recovery from any other source; (3) that Securos is authorized from time to time to obtain credit and other information about the guarantor from other creditors and credit reporting agencies, and to provide information about the guarantor to other creditors; (4) that guarantor consents to the Terms of Sale on the reverse of, or linked to, this guaranty; (5) that all disputes between Securos and guarantor, including but not limited to actions to enforce this guaranty, shall be commenced in state or federal court in Boise, Idaho; (6) that guarantor expressly submits to the jurisdiction and venue of the state and federal courts in Boise, Idaho; and (7) that Securos may change Securos' Terms of Sale or credit and collection policies and the terms of any outstanding repayment obligation of applicant without notice to or consent of guarantor and without lessening guarantor's liability under this guaranty.

X
Signature of guarantor (REQUIRED) _____ Date _____

Print Name _____

Social Security Number _____

Telephone _____

Street Address _____

City, State, Zip _____

Please see back for terms of sale.

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These Terms of Sale constitute a contract between you and Securos. Please carefully review these Terms of Sale because the Terms of Sale set forth the rights, obligations, limitations and exclusions that apply to you.

1. AGREEMENT By purchasing or guaranteeing the purchase of the products from Securos, you agree with Securos' Terms of Sale. Securos' Terms of Sale may not be altered, supplemented or amended by use or reference to any other documents or agreements, unless agreed by Securos in writing.

2. CASH SALE All domestic purchases shall be paid by cash, check or credit card in the net amount of the invoice on or before the time of delivery unless Securos agrees at Securos' sole discretion to extend to you an open account or other credit. All international purchases shall be paid by credit card in the net amount of the invoice on or before the time of delivery.

3. OPEN ACCOUNT SALE All purchases on open account are due and payable within 30 days of receipt of the invoice unless you and Securos agree in writing to a different payment plan. Amounts unpaid by the 30th day of your receipt of the invoice incur interest of 1.50% PER MONTH (an ANNUAL PERCENTAGE RATE OF 18%), or the maximum amount allowed by the applicable state law, whichever is less. Interest is compounded monthly. If you transfer your practice, become insolvent, are named in any legal, arbitration or other proceeding to collect money, or file bankruptcy, then all amounts owed to Securos become immediately due and payable. Credit card payments are acceptable at the time of ordering; however, credit cards cannot be used to pay for products purchased through delayed billing. A surcharge may be imposed on all statement balances paid by credit card.

4. ERRORS Securos may correct at any time all extension, price, description and other errors on any invoices, statements or other documents. The document, as corrected, shall be the effective document.

5. PAYMENTS All payments shall apply first to attorney fees and collection costs, then to accrued interest on oldest unpaid invoices, and then to principal due on oldest unpaid invoices, unless otherwise indicated by your remittance advice. You shall pay Securos a \$25.00 service fee on all returned checks.

6. SECURITY INTEREST To secure all obligations owed by you to Securos, you grant Securos a first priority security interest in any products purchased from Securos, including without limitation all Goods, Equipment, and Inventory, and all proceeds, renewals, substitutions, replacements, additions and assessments thereto, until all obligations to Securos are paid in full.

7. DEFAULT If your account is not paid when due, or if you have not complied with any other term or condition of your application for credit, these Terms of Sale, or any other agreement with Securos, then you are immediately in default without further notice to you.

8. SECUROS' REMEDIES ON DEFAULT If you are in default, then Securos may, at Securos' sole discretion and without further notice to you, exercise any one or more of the following actions and remedies: (a) temporarily or permanently suspend any further shipments to you, (b) temporarily or permanently suspend your credit, (c) temporarily or permanently ship to you only if you pay cash on delivery ("COD") or if you pay in advance, (d) temporarily or permanently close your account with Securos and terminate any further transactions with you, (e) exercise Securos' rights as a secured creditor under applicable law, (f) collect the amounts owed to Securos, including without limitation initiating a lawsuit, and (g) take any other action or pursue any other remedies which Securos deems appropriate. Once Securos takes any action or remedy because of your default, including without limitation the remedies listed in this paragraph, Securos is not obligated to (a) restore your account and credit or (b) provide you with any other account or credit terms even if you pay the past due amounts in full and satisfy any other requirements of Securos.

9. TITLE & RISK OF LOSS Title to the products passes from Securos to you upon the departure of the shipment from Securos' facility. Loss or damage that occurs during shipping by a carrier selected by Securos is Securos' responsibility. Loss or damage that occurs during shipping by a carrier selected by you is your responsibility.

10. DELAYS Securos is not responsible for the inability to provide goods purchased or delay in providing goods purchased caused or effected by accidents, strikes, weather, war, riots, shortage of products or labor by manufacturers, interference or obstruction of transportation routes, carrier shortages, damage to carrier, damage to goods by carrier, any act of God, failure of utilities or telecommunications, or other causes beyond Securos' control. Securos shall perform as soon as practicable after the cause of the delay is removed.

11. TAXES & SHIPPING CHARGES You will pay all applicable shipping charges and sales taxes that arise because of the delivery of the products to you. All orders are shipped UPS Ground unless otherwise requested. Domestic shipping and delivery charges are as follows: (i) Ground: \$10.00, (ii) COD: \$15.00, (iii) UPS Next Day: \$30.00, (iv) UPS Next Day Saver: \$25.00, (v) UPS 2nd Day: \$20.00, (vi) UPS 3rd Day: \$15.00, and (vii) USPS Priority: \$9. International shipping and delivery charges are dependent on the location, and shall be disclosed upon request. The taxes and shipping and delivery charges will appear on the invoice, or you will directly pay the shipper and tax authority.

12. RETURNS, REFUNDS & CREDITS Unless you notify Securos of any errors within 24 hours of your receipt of the products, the shipment is deemed to be correct. Securos will grant a full refund on the following conditions: (a) you contact Securos prior to the return and obtain Securos' Return Authorization ("RA"), (b) you return the product within 30 days of purchase, (c) you return the product in its original unopened

packaging, and (d) upon receipt and inspection of the product by Securos. Securos will grant a full credit if (a) you contact Securos prior to the return and obtain Securos' RA, (b) you return the product within 90 days of purchase, and (c) upon receipt and inspection of the product by Securos. Any products returned for a credit must (i) be thoroughly cleaned, (ii) have been used under normal recommended conditions and within standard practices and techniques, and (iii) show no evidence of misuse, abuse or damage. A refund or credit shall only be issued if the returned product meets each of the above requirements. Any credit issued by Securos must be used within one year from the date of issuance. All returned products (whether or not authorized) become Securos' property. Securos may destroy all products that are not authorized to be returned, not returnable, or not creditable. Products that Securos authorizes to be returned will be picked up by UPS or Securos' representative. You guarantee that the products listed on the RA were properly stored, handled and shipped so as to not effect quality, and that the credit will not exceed the product's actual purchase price. Upon return of products for refund or credit, you may be subject to (i) a \$25.00 cleaning fee if the instrument is not properly cleaned and (ii) a 15% restocking fee.

13. DISCLAIMER & LIMITATION OF WARRANTIES & REMEDIES

A. LIMITED WARRANTY 1: ORTHOPEDIC IMPLANTS. Securos warrants the Securos orthopedic implant to the owner or guardian of the animal in which the Securos orthopedic implant was used, for the life of the animal, against material defects in workmanship and materials caused by normal use. This limited warranty does not apply to any implant which the post operative instructions given by the veterinarian, surgeon or doctor were not strictly followed.

B. LIMITED WARRANTY 2: PATENT OR PATENT PENDING SURGICAL TOOLS, INSTRUMENTS, OR DEVICES. Securos warrants the Securos Patent or Patent Pending Surgical Tool, Instrument, or Device to the first user to be free from material defects in material and workmanship caused by normal use for the lifetime of the surgical tool.

C. LIMITED WARRANTY 3: ORTHOPEDIC SURGICAL INSTRUMENTS. Securos warrants the Orthopedic Surgical Instrument to the first user to be free from material defects in material and workmanship caused by normal use for 10 years from the date the instrument was first used.

D. LIMITED WARRANTY 4: POWER EQUIPMENT. Securos warrants the Power Equipment to the first user to be free from material defects in material and workmanship caused by normal use for (i) 2 years with respect to labor and (ii) 3 years with respect to parts, from the date the Power Equipment was first used.

E. APPLICATION OF WARRANTY. This nontransferable limited warranty does not apply to any Securos product (i) which has been repaired or altered by persons other than Securos to, in Securos' sole judgment, affect the product's structure, integrity, stability, or reliability, or (ii) which was subjected to misuse, neglect, accident or abnormal use.

F. DISCLAIMER OF WARRANTIES. Securos makes no warranties that extend beyond the description on the face of this limited warranty. Securos makes no other express or implied warranties, including without limitation, no implied warranty of merchantability, no implied warranty of fitness for a particular purpose, and no implied warranty arising from any course of dealing, usage of trade or advertising. This limited warranty is the full and complete statement of Securos' limited warranty of the Securos products set forth above, constitutes the entire and completely integrated limited warranty of Securos, supersedes all other statements, and cannot be varied by any oral or other written statement.

G. REMEDIES. Your exclusive remedy for breach of the limited warranty is to return the products for refund of the purchase price, or repair and replacement of the nonconforming products. Securos has the exclusive right to select the remedy. Securos expressly excludes liability for incidental, consequential, exemplary, punitive and other damages.

H. PAYMENT REQUIRED. Securos' limited warranties are effective only if Securos has received payment in full for the products.

14. DISPUTES, & AUTHORIZATION FOR IDAHO VENUE & JURISDICTION AND ATTORNEY FEES AND COSTS Securos' principal place of business and office are located in Idaho. All disputes between you and Securos, and any guarantor and Securos, including but not limited to actions to obtain payment, are governed by Idaho law and the venue shall be located in Boise, Idaho. You expressly submit to the personal and subject matter jurisdiction and venue of the state and federal courts in Boise, Idaho. You, Securos, and the guarantor, if any, are the only parties to this agreement, and there are no intended or incidental third party beneficiaries. In any dispute the prevailing party shall recover from the other party reasonable attorney fees and costs, collection agency fees, and any other costs incurred.

15. CHANGES IN TERMS At Securos' sole discretion, Securos can change Securos' Terms of Sale at any time by notifying you at your statement address at least 30 days in advance of the effective date of the change. All changes to the Terms of Sale will apply to all purchases, returns or other transactions that occur on or after the effective date of the change, and will apply to any money that you owe to Securos on or after the effective date of the change, regardless whether your purchases or account entries that caused the money to be owed to Securos occurred before or after the effective date of the change. You agree with the Terms of Sale by making purchases, returns or other transactions with Securos, or by continuing to owe money to Securos, on or after the effective date of the change. If you disagree with the changes in the Terms of Sale, you shall stop any further transactions with Securos, and shall repay to Securos any money you owe Securos, before the effective date of the change.



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